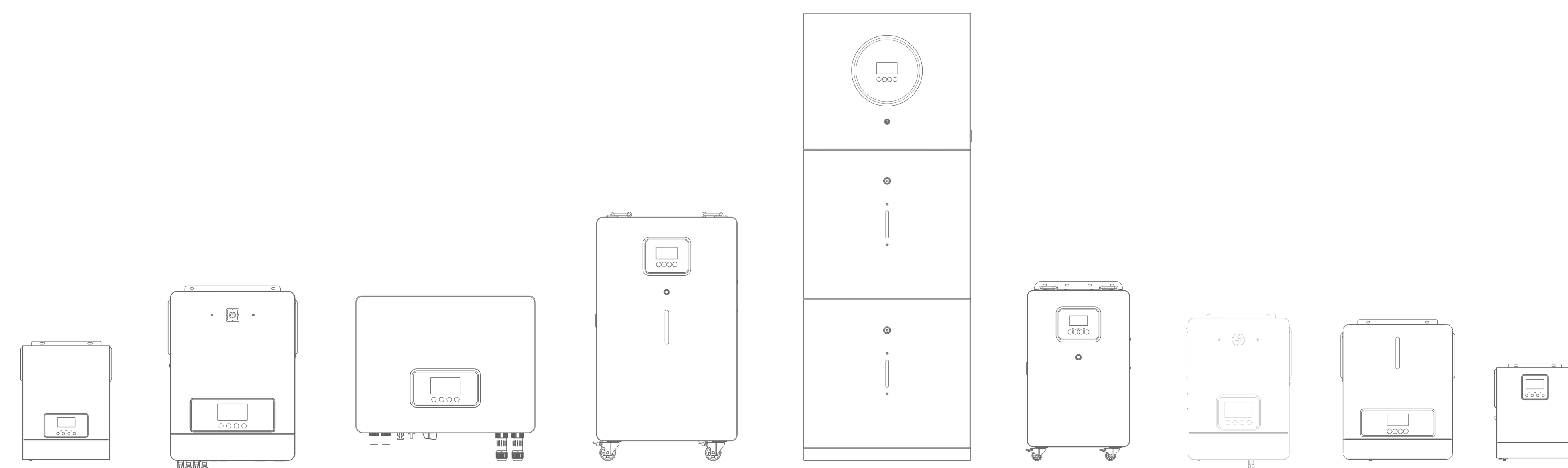




Guangdong Yunqida New Energy Technology Co.,Ltd.

Telephone:+8613808874548

Mail: business@yunqida-ne.com

<https://www.yunqida-ne.com>

Factory Address:

B3 Building, No. 42 Xianning Road, Ningxi Street, Zengcheng District, Guangzhou City, Guangdong Province, China



Wechat



WhatsApp



- Lithium Battery
- All-In-One ESS Complete System



Company Profile

Guangdong Yunqida New Energy Technology Co., Ltd. is located in B3 Building, No. 42 Xianning Road, Ningxi Street, Zengcheng District, Guangzhou City, Guangdong Province China. It is a high-tech company specializing in providing household and industrial energy storage solutions, we focus on solar power system solutions, the main products include solar system, lithium batteries and solar energy all in one ESS, professional manufacturer.

Product category complete, quality advantage is obvious, technology leading, price very competitive.

The product is fully certified and passed from ISO9001, UL, CE, RoHs, MSDS, IEC, UN38.3...etc.

The company's products have been exported to more than 100 countries and regions, which have been highly recognized and well received by customers.

Company culture

Vision: To be the world's leading company and the customer's first choice.

Mission: Technology leads, let green energy light up the world

Values: Customer Success, Green Responsibility, Pragmatic and Efficient

Solar energy storage system

CERTIFICATE	
Certification No. ATSE24100910227	Report No. ATSE241001011
DECLARATION OF CONFORMITY	
This Verification of Compliance is hereby issued to the product designated below	
Applicant :	Guangdong Yuxinda New Energy Technology Co., LTD.
Address :	Buliding A1, Yuexiang Venture 1818 Industrial Park, Zengcheng District, Guangzhou City, Guangdong Province
Manufacturer :	Guangdong Yuxinda New Energy Technology Co., LTD.
Address :	Buliding A1, Yuexiang Venture 1818 Industrial Park, Zengcheng District, Guangzhou City, Guangdong Province
Product :	ENERGY STORAGE SYSTEM
Model :	YQD-512200-LFOESS, YQD-512200-LFOESS, YQD-512200-LFOESS, YQD-512600-LFOESS, YQD-512600-LFOESS, YQD-512600-LFOESS, YQD-512001-LFOESS, YQD-512001-LFOESS, YQD-5122001-LFOESS, YQD-5126001-LFOESS, YQD-5120001-LFOESS, YQD-5126001-LFOESS, YQD-5122002-LFOESS, YQD-5126002-LFOESS, YQD-5120002-LFOESS, YQD-5126002-LFOESS, YQD-51210002-LFOESS, QD-512002-LFOESS, YQD-5126003-LFOESS, YQD-5120003-LFOESS, YQD-5120003-LFOESS
Rating(s) :	Refer to the test report for details
Testing according to :	EN IEC 61000-6-1:2019 EN IEC 61000-4-3:2021
This certificate of conformity is based on evaluation of a sample of the above mentioned product. Technical support and documentation are at the licensee Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex IV Council Directive 2014/53/EU, referred to as the EMC. This certificate does not imply assessment of the series-production of the product. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.	
ATS Electronic Technology Co., Ltd.	Body
Tel : 86-750-3887 5555 e-mail: ats@ats.com.cn Fax : 86-750-3887 5568 http://www.gdysg.com	Zhang
Date of issue: 2025-02-28	
 	
CE The CE Marking may be used if all relevant and effective CE Directives are complied with. CE	



Global Customers

Compatible List of Inverters Brands

40 - 60VDC
Solar Storage Energy

100 -1500VDC
High Voltage Battery Energy Storage



Deye



Solis



Growatt



Afore



GoodWe



Sinexcel



Megarevo



Hoymiles



INVT



Sunsynk



SRNE



AiSWEI



Lux Power Tek



Sofar Solar



Solax



Schneider Electric



SMA



Victron Energy



OutBack POWER



SMK SOLAR



ZLPOWER



Sumry



Voltronic Solar



MUST



TBB



SOROTEC



Sac Solar



Deye



Solis



Growatt



GoodWe



INVT



Lux Power Tek



Hoymiles



Megarevo



Sunsynk



Sinexcel



SOLINTEG



SINY ENERGY



KOYOE



GSSTES



KEHUA TECH



SINENG



AiSWEI



Hopewind



sunways



SERMATEC



Elecod

SOLAR ENERGY STORAGE
LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs

1.28KWh/2.56KWh



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Active Safety

Smart BMS System
Fire Extinguishers
Installed



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles

Model		YQD-128100-LFO	YQD-256100-LFO
Performance			
Nominal voltage		12.8V	25.6V
Nominal capacity		100Ah	100Ah
Battery Energy		1.28KWh	2.56KWh
Charging cutoff voltage		14.8V	29.2V
Discharge Cut-off Voltage		10.6V	21.2V
Charge/Discharge current	Recommend	50A	
	Max	80A	
	Peak	100A	
Communication			
Display		LCD display screen/touch screen display screen	
Communication		RS232、RS485、CAN	
General Specification			
Dimension(W×D×H mm)		310*156*140mm	310*420*140mm
Weight(kg)		13.2KG	26.8KG
Cell type		Lithium Battery (LiFePO ₄)	
Installation		Floor Stand/Wall Mount	
Charge suitable temperature		0℃~45℃	
Discharge suitable temperature		-20℃~65℃	
Cooling method		Natural cooling	
Cycle life		>6000 Cycles	
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc	
Standard Compliance			
Certificates		UN38.3,MSDS, IEC,CE,RoHs	

SOLAR ENERGY STORAGE LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs,UL



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Easy Operation

Touch Screen
Intelligent Management



Parallel Capability

Support 16pcs parallel



Transparency

Bluetooth APP Connection
Real Time Monitoring System



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000/8000 Cycles



Active Safety

Smart Active BMS System
Fire Extinguishers
Installed

Model		YQD-256200-LFO	YQD-256300-LFO
Performance			
Nominal voltage		25.6	25.6V
Nominal capacity		230Ah	314Ah
Battery Energy		5.8KWh	8KWh
Charging cutoff voltage		58.4V	58.4V
Discharge Cut-off Voltage		40V	40V
Charge/Discharge current	Recommend	50A	120A
	Max	80A	150A
	Peak	100A	200A
Communication			
Display		LCD display screen/touch screen display screen	
Communication		RS232、RS485、CAN	
General Specification			
Dimension(W×D×H		460*255*600mm	460*255*670mm
Weight(kg)		52Kg	66Kg
Cell type		Lithium Battery (LiFePO ₄)	
Installation		Rack Mount/Stackable	
Charge suitable temperature		0℃~45℃	
Discharge suitable temperature		-20℃~65℃	
Cooling method		Natural cooling	
Cycle life		>6000 Cycles	>8000 Cycles
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc	
Standard Compliance			
Certificates		UN38.3,MSDS, IEC,CE,RoHs,UL	



SOLAR ENERGY STORAGE
LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs,UL

5.12KWh/11.78KWh



Bluetooth



Wi-Fi



Fire
Extinguisher



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Parallet Capability

Support 16pcs parallet



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles



Easy Operation

Touch Screen
Intelligent Management



Transparency

Bluetooth APP Connection
Real Time Monitoring System



Active Safety

Smart Active BMS System
Fire Extinguishers
Installed

Model		YQD-512100-LFO	YQD-512200-LFO
Performance			
Nominal voltage		51.2V	
Nominal capacity		100Ah	230Ah
Battery Energy		5.12KWh	11.78KWh
Charging cutoff voltage		58.4V	58.4V
Discharge Cut-off Voltage		40V	40V
Charge/ Discharge current	Recommend	50A	80A
	Max	90A	100A
	Peak	100A	150A
Communication			
Display		Touch screen display screen	
Communication		RS232、RS485、CAN	
General Specification			
Dimension(W×D×H mm)		435*150*700mm	460*255*815mm
Weight(kg)		50Kg	90Kg
Cell type		Lithium Battery (LiFePO ₄)	
Installation		Rack Mount/Floor Stand	Floor Stand
Charge suitable temperature		0℃~45℃	
Discharge suitable temperature		-20℃~65℃	
Cooling method		Natural cooling	
Cycle life		>6000 Cycles	
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc	
Enclosure protection rating		IP21	
Standard Compliance			
Certificates		UN38.3,MSDS, IEC,CE,RoHs,UL	



SOLAR ENERGY STORAGE
LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs,UL

16.07KWh



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Parallel Capability

Support 16pcs parallel



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 8000 Cycles



Easy Operation

Touch Screen
Intelligent Management



Transparency

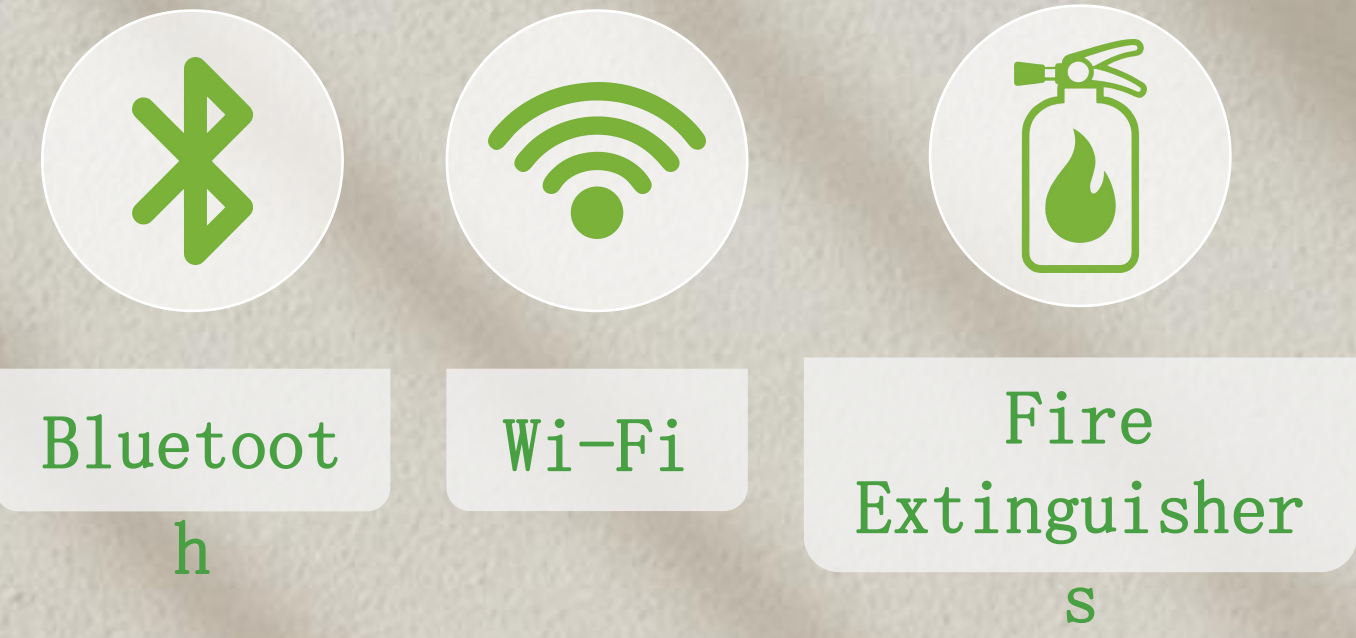
Bluetooth APP Connection
Real Time Monitoring System



Active Safety

Smart Active BMS System
Fire Extinguishers
Installed

Model		YQD-512300-LFO	
Performance			
Nominal voltage		51.2V	
Nominal capacity		314Ah	
Battery Energy		16.07KWh	
Charging cutoff voltage		58.4V	
Discharge Cut-off Voltage		40V	
Charge/Discharge current	Recommend	120A	
	Max	150A	
	Peak	200A	
Communication			
Display		Touch screen display screen	
Communication		RS232、RS485、CAN	
General Specification			
Dimension(W×D×H mm)		520*315*890mm	
Weight(kg)		121Kg	
Cell type		Lithium Battery (LiFePO ₄)	
Installation		Floor Stand	
Charge suitable temperature		0℃~45℃	
Discharge suitable temperature		-20℃~65℃	
Cooling method		Natural cooling	
Cycle life		>8000 Cycles	
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc	
Enclosure protection rating		IP21	
Standard Compliance			
Certificates		UN38.3,MSDS, IEC,CE,RoHs,UL	



SOLAR ENERGY STORAGE LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs,UL

16.07KWh



Larger Battery Capacity
Modular Design
100% Deeply Discharge



Parallet Capability
Support 16pcs parallet



Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 8000 Cycles



Easy Operation
Touch Screen
Intelligent Management



Transparency
Bluetooth APP Connection
Real Time Monitoring System



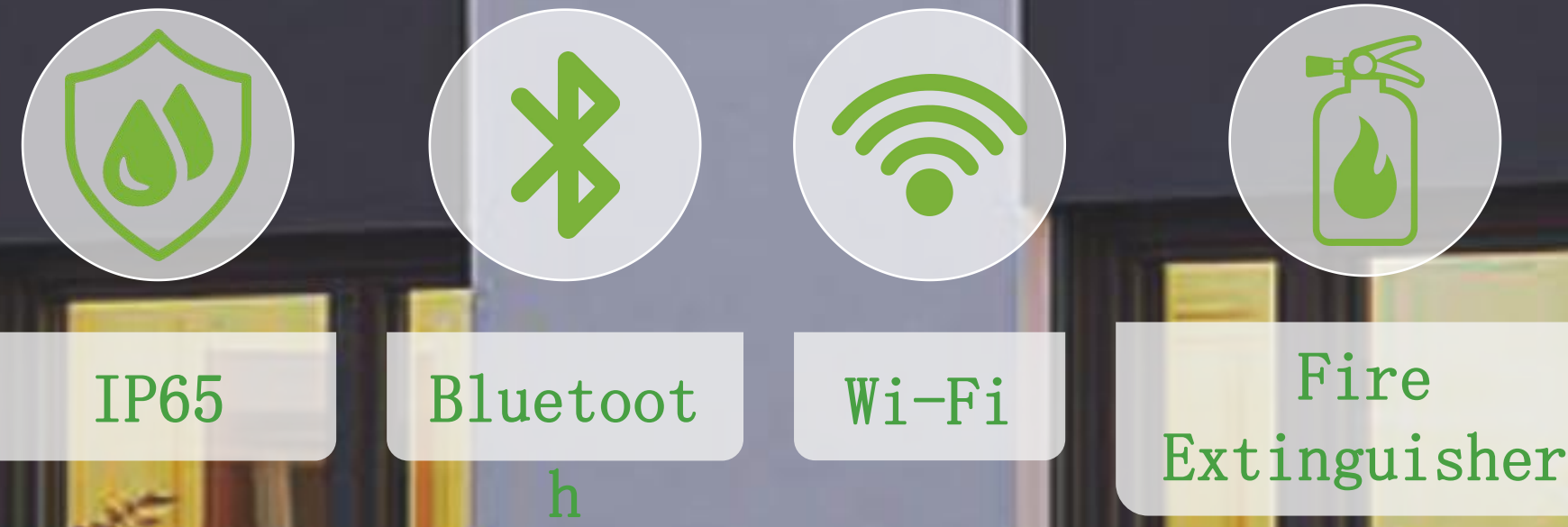
Active Safety
Smart Active BMS System
Fire Extinguishers
Installed

Model		YQD-512300-LFO
Performance		
Nominal voltage		51.2V
Nominal capacity		314Ah
Battery Energy		16.07KWh
Charging cutoff voltage		58.4V
Discharge Cut-off Voltage		40V
Charge/Discharge current	Recommend	120A
	Max	150A
	Peak	200A
Communication		
Display		Touch screen display screen
Communication		RS232、RS485、CAN
General Specification		
Dimension(W×D×H mm)		460*255*960mm
Weight(kg)		113Kg
Cell type		Lithium Battery (LiFePO ₄)
Installation		Floor Stand
Charge suitable temperature		0℃~45℃
Discharge suitable temperature		-20℃~65℃
Cooling method		Natural cooling
Cycle life		>8000 Cycles
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc
Enclosure protection rating		IP21
Standard Compliance		
Certificates		UN38.3,MSDS, IEC,CE,RoHs,UL

SOLAR ENERGY STORAGE LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs,UL

23KWh



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Easy Operation

Touch Screen
Intelligent Management



Parallel Capability

Support 16pcs parallel



Transparency

Bluetooth APP Connection
Real Time Monitoring System



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles



Active Safety

Smart Active BMS System
Fire Extinguishers
Installed

Model		YQD-512400-LFO	
Performance			
Nominal voltage		51.2V	
Nominal capacity		460Ah	
Battery Energy		23KWh	
Charging cutoff voltage		58.4V	
Discharge Cut-off Voltage		40V	
Charge/Discharge current	Recommend	150A	
	Max	180A	
	Peak	200A	
Communication			
Display		Touch screen display screen	
Communication		RS232、RS485、CAN	
General Specification			
Dimension(W×D×H mm)		515*400*860mm	
Weight(kg)		208Kg	
Cell type		Lithium Battery (LiFePO ₄)	
Installation		Floor Stand	
Charge suitable temperature		0℃~45℃	
Discharge suitable temperature		-20℃~65℃	
Cooling method		Natural cooling	
Cycle life		>6000 Cycles	
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc	
Enclosure protection rating		IP21	
Standard Compliance			
Certificates		UN38.3,MSDS, IEC,CE,RoHs,UL	

SOLAR ENERGY STORAGE LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs,UL

30KWh/32KWh



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Easy Operation

Touch Screen
Intelligent Management



Parallel Capability

Support 16pcs parallel



Transparency

Bluetooth APP Connection
Real Time Monitoring System



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 8000 Cycles



Active Safety

Smart Active BMS System
Fire Extinguishers
Installed

Model		YQD-512600A-LFO	YQD-512600-LFO
Performance			
Nominal voltage		51.2V	
Nominal capacity		600Ah	628Ah
Battery Energy		30KWh	32KWh
Charging cutoff voltage		58.4V	
Discharge Cut-off Voltage		40V	
Charge/Discharge current	Recommend	150A	
	Max	200A	
	Peak	300A	
Communication			
Display		Touch screen display screen	
Communication		RS232、RS485、CAN	
General Specification			
Dimension(W×D×H mm)		650*400*860mm	
Weight(kg)		224Kg	
Cell type		Lithium Battery (LiFePO ₄)	
Installation		Floor Stand	
Charge suitable temperature		0℃~45℃	
Discharge suitable temperature		-20℃~65℃	
Cooling method		Natural cooling	
Cycle life		>8000 Cycles	
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc	
Enclosure protection rating		IP21	
Standard Compliance			
Certificates		UN38.3,MSDS, IEC,CE,RoHs,UL	



SOLAR ENERGY STORAGE LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs,UL

16.07KWh
(IP65)



Larger Battery Capacity
Modular Design
100% Deeply Discharge



Easy Operation
Touch Screen
Intelligent Management



Parallel Capability
Support 16pcs parallel



Transparency
Bluetooth APP Connection
Real Time Monitoring System



Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 8000 Cycles



Active Safety
Smart Active BMS System
Fire Extinguishers
Installed

Model		YQD-512300E-LFO
Performance		
Nominal voltage		51.2V
Nominal capacity		314Ah
Battery Energy		16.07KWh
Charging cutoff voltage		58.4V
Discharge Cut-off Voltage		40V
Charge/Discharge current	Recommend	120A
	Max	150A
	Peak	200A
Communication		
Display		Touch screen display screen
Communication		RS232、RS485、CAN
General Specification		
Dimension(W×D×H mm)		460*255*960mm
Weight(kg)		114Kg
Cell type		Lithium Battery (LiFePO ₄)
Installation		Floor Stand
Charge suitable temperature		0℃~45℃
Discharge suitable temperature		-20℃~65℃
Cooling method		Natural cooling
Cycle life		>8000 Cycles
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc
Enclosure protection rating		IP65
Standard Compliance		
Certificates		UN38.3,MSDS, IEC,CE,RoHs,UL



SOLAR ENERGY STORAGE LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs,UL

23KWh/30KWh/32KWh
(IP65)



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Easy Operation

Touch Screen
Intelligent Management



Parallel Capability

Support 16pcs parallel



Transparency

Bluetooth APP Connection
Real Time Monitoring System



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000/8000 Cycles



Active Safety

Smart Active BMS System
Fire Extinguishers
Installed

Model		YQD-512400E-LFO	YQD-512600AE-LFO	YQD-512600BE-LFO
Performance				
Nominal voltage		51.2V		
Nominal capacity		460Ah	600Ah	628Ah
Battery Energy		23KWh	30KWh	32KWh
Charging cutoff voltage		58.4V		
Discharge Cut-off Voltage		40V		
Charge/Discharge current	Recommend	150A		
	Max	180A	200A	
	Peak	200A	300A	
Communication				
Display		Touch screen display screen		
Communication		RS232、RS485、CAN		
General Specification				
Dimension(W×D×H mm)		515*400*860mm	650*400*860mm	
Weight(kg)		208Kg	224Kg	
Cell type		Lithium Battery (LiFePO ₄)		
Installation		Floor Stand		
Charge suitable temperature		0℃~45℃		
Discharge suitable temperature		-20℃~65℃		
Cooling method		Natural cooling		
Cycle life		>6000 Cycles	>8000 Cycles	
Battery protection function		Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc		
Enclosure protection rating		IP65		
Standard Compliance				
Certificates		UN38.3,MSDS, IEC,CE,RoHs,UL		

HV Batteries

UN38.3,MSDS,IEC,CE,RoHs,UL

HV Batteries
5.12KWh Module



Bluetooth



Wi-Fi



Fire
Extinguisher



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Flexible Application

10-60KWh Flexible Expansion



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6500 Cycles



Compatibility

Applicable To Mainstream
Inverters



Transparency

Bluetooth APP Connection
Real Time Monitoring System



Active Safety

Smart Active BMS System
Fire Extinguishers
Installed



20KWh

30KWh

40KWh

50KWh

60KWh

Model		YQD-HV512100 5.12KWh Module			
Battery Specifications					
Model No	R20K	R30K	R40K	R50K	R60K
Nominal Capacity	20.48kWh	30.72kWh	40.96kWh	51.2kWh	61.44kWh
Cell Matching	64S1P	96S1P	128S1P	160S1P	192S1P
Nominal Voltage	204.8V	307.2V	409.6V	512V	512V
Working Voltage Range	176 ~ 233.6V	264 ~ 350V	352 ~ 467.2V	440 ~ 584V	537.6 ~ 691.2V
Weight	201.4kgs / 444 lbs	309.6kgs / 683 lbs	492.8kgs / 1086 lbs	499kgs / 1100 lbs	582.2kgs / 1284 lbs
Dimension (W*D*H)	553*503*1011mm / 21.8*19.8*39.8 in	553*503*1620mm / 21.8*19.8*63.8 in	553*503*1620mm / 21.8*19.8*63.8 in	553*503*2230mm / 21.8*19.8*87.6 in	553*503*2230mm / 21.8*19.8*87.8 in
Battery Type	LiFePO4 Battery				
Nominal Working Current	100A				
Communication Port	CAN/TCP/IP				
Working Temperature Range	Charge:0-55°C/Discharge:-20-55°C				
Waterproof	IP20				
Installation Method	Floor-standing				
Cycle Life	6500				
Peak Charge/Discharge Current (@25°C,5S)					
Discharge Rate of Module	≤3.5%/month/@25°C				

HV Batteries

UN38.3,MSDS,IEC,CE,RoHs,UL



YQD-HV51231400
16KWh Module



PRODUCT FEATURE

Tuya cloud platform

Equipped with WIFI and Bluetooth communication, it supports Tuya cloud platform and can view battery information remotely.

Triple protection

Positive Relay + Negative Relay + Breaker, Adopting redundant design to ensure control safety.

Higher safe performance and longer cycle life

Cathode material is made from LiFeP04 with safety performance and long cycle life.

Flexible Installation

Quick installation standard of 19- inch embedded designed module is comfortable for installation and maintenance.

Intelligent BMS

It has protection functions including over-discharge, over- charge, over- current andover_x0002_high or low temperature.The system can automatically manage charge and discharge state and balance current and voltage of each cell.

Flexible configuration

Multiple battery modules can be in parallel forexpanding capacity and power.

Model			YQD-HV51231400 16.07KWh Module							
Battery Specification										
Battery Module Qty in series	6	7	8	9	10	11	12	13	14	15
Rated voltage	307.2V	358.4V	409.6V	460.8V	512V	563.2V	614.4V	665.6V	716.8V	768V
System Operating Min.Voltage	268.8V	313.6V	358.4V	403.2V	448V	492.8V	537.6V	582.4V	627.2V	672V
System Operating Max.Voltage	345.6V	403.2V	460.8V	518.4V	576V	633.6V	691.2V	748.8V	806.4V	864V
System Energy	96.5kWh	112.5kWh	128.6kWh	144.7kWh	160.8kWh	176.8kWh	192.9kWh	209kWh	225.1kWh	241.2kWh
Usable Energy	91.6kWh	106.9kWh	122.2kWh	137.5kWh	152.7kWh	168kWh	183.3kWh	198.5kWh	213.8kWh	229.1kWh
Recommend Charge/Discharge Current	150/150A									
Max Charge/Discharge Current	200/200A									
Peak Discharge (3S,25°C)	220/220A									
Installation Location	Rack Mounting									
Recommend Depth of Discharge	≤95%									
Cycle Life	8000 (25°C,0.5C/0.5C,EOL70%)									
Display Type	LED+Touch LCD									
Triple Protection	Positive Relay + Negative Relay + Breaker									
Number of Main Circuit Relays	3									
Heat Dissipation	Fan cooling									
Working Temperature (°C)	Charge:0~55°C/Discharge:-20~55°C									
Storage Temperature (°C)	6 months @25°C;3 months @35°C;1 months @45°C;									
Communicaton Port	RS485/CAN/WiFi									
Humidity (RH)	5%-80%RH									
Altitude (m)	≤3000									
IP Rating of Enclosure	IP20									
Noise (dB)	<50dB									
Dimensions (L*W)	840*590									
Dimensions (H)	2095									
Weight Approximate	867.5kg	989.5kg	1111.5kg	1233.5kg	1355.5kg	1477.5kg	1599.5kg	1721.5kg	1843.5kg	1976.5kg
Cover An Area	0.84*0.59 m*m	0.84*1.19 m*m								
Lithium Battery Standard	UN38.3, MSDS, EN55032, EN55024, EN61000-3-2, EN61000-3-3									

SOLAR ENERGY STORAGE SYSTEM

ALL-IN-ONE ESS (BATTERY AND HYBIRD INVERTER)



1.6KW inverter/2.56KWH battery(ALL-IN-ONE)
3.2KW inverter/3.5KWH battery(ALL-IN-ONE)



Larger Battery Capacity
Modular Design
100% Deeply Discharge



Battery Ready
Easy To Operate



Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles



Easy Operation
1.6/3.2KW Hybrid Inverter
with 2.5/3.5KWh Lithium
Battery



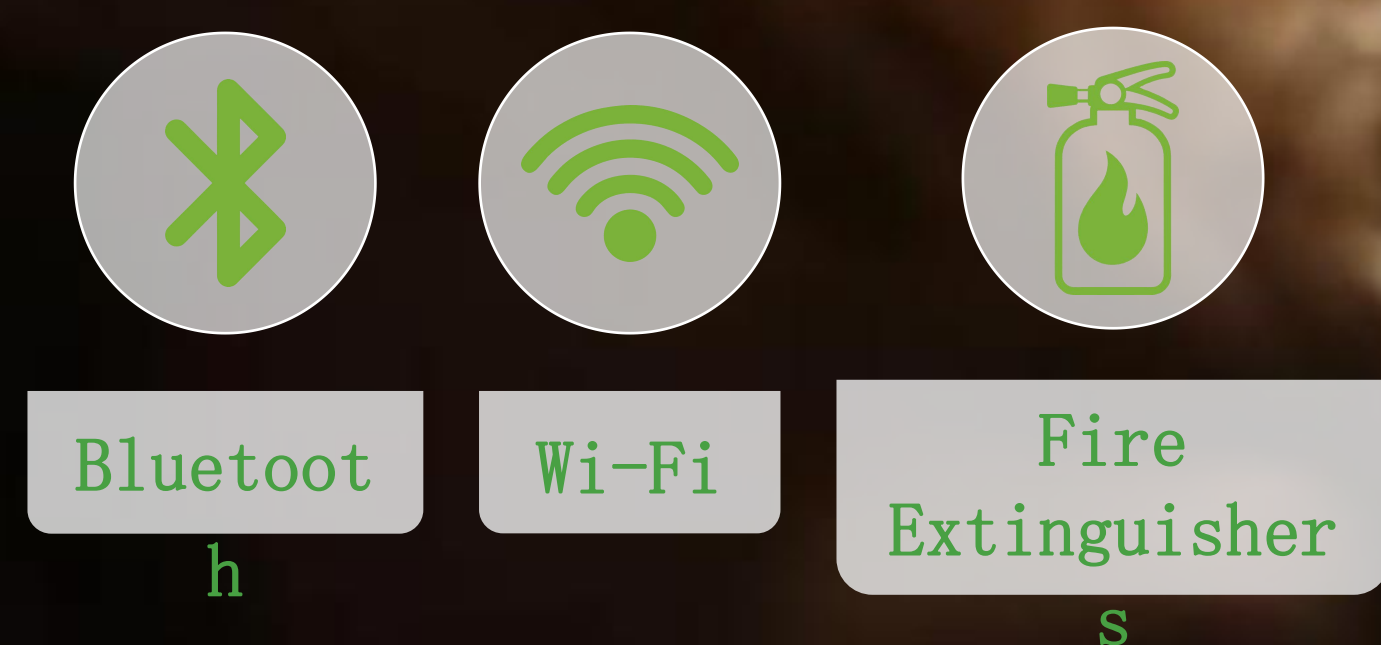
Transparency
Wi-Fi Connection
Real Time Monitoring System



Active Safety
Smart Active BMS System
Fire Extinguishers
Installed

Model	YQD-256100-LFOESS	YQD-256150-LFOESS
2.56-3.5KWh Lithium Battery		
Performance		
Nominal voltage	25.6V	25.6V
Nominal capacity	100Ah	150Ah
Battery Energy	2.56KWh	3.5KWh
Charging cutoff voltage	29.2V	
Discharge Cut-off Voltage	21.2V	
Maximum continuous discharge current	100A	
Instantaneous discharge current	100A	
Standard charging current	<25A	
Standard discharge current	50A	
Communication		
Display	LCD display screen/touch screen display screen	
Communication	RS232、RS485、CAN	
General Specification		
Dimension(W×D×H mm)	360*200*440mm	
Weight(kg)	26kg	28kg
Cell type	LiFePO ₄	
Installation	Floor Stand	
Charge suitable temperature	0℃~45℃	
Discharge suitable temperature	-20℃~65℃	
Cooling method	Natural cooling	
Cycle life	>6000 Cycles	
Battery protection function	Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc	
Standard Compliance		
Certificates	UN38.3,MSDS, IEC,CE,RoHs,UL	
Inverter	1.6KW	3.2 KW
AC Voltage	230V	230V
Voltage range	170v-280v for personal computer;90-280v for home applications	
Frequency range	50/60HZ	
AC Output		
Peak power	3200w	6400w
AC voltage	230V	
Transfer time	10ms	
Solar and AC charge		
MPPT Input voltage range	30-450V	30-450V
Max PV Array Power	2000w	3500w
Max input current	15A	15A
Max PV charge current	100A	100A
Max AC charge current	80A	80A
AC over charge/discharge/temperature	YES	YES

6.2KW inverter
5KWH/16KWH battery(ALL-IN-ONE)



Larger Battery Capacity
Modular Design
100% Deeply Discharge

Battery Ready
Easy To Operate

Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles

Easy Operation
1.6/3.2KW Hybrid Inverter
with 2.5/3.5KWh Lithium
Battery

Transparency
Bluetooth&Wi-Fi Connection
Real Time Monitoring System

Active Safety
Smart Active BMS System
Fire Extinguishers
Installed

Model	YQD-512100G-LFOESS	YQD-512300F-LFOESS
5.12KWh/16.07KWh Lithium Battery		
Performance		
Rated voltage	51.2V	
Rated capacity	100Ah	314Ah
Battery Capacity	5.12KWh	16.07KWh
Maximum continuous discharge current	100A	120A
Standard charging current	<100A	<150A
Standard discharge current	<100A	<200A
Communication		
Communication	RS232、RS485、CAN	
General Specification		
Dimension(W×D×H mm)	535*290*860mm	550*320*1075mm
Weight(kg)	63Kg	266Kg
Cell type	Lithium Battery (LiFePO ₄)	
Installation	Wheel Style/Floor Stand	
Operating suitable temperature	-20℃~65℃	
Cycle life	>6000 Cycles	>8000 Cycles
Standard Compliance		
Certificates	UN38.3,MSDS,IEC,CE,RoHs,UL	
6.2KW Hybrid Inverter		
Input		
Rated Voltage	220/230/240VAC	
Voltage Range	90-280VAC±3V(Normal)170-280VAC±3V(UPS Model)	
Frequency range	50Hz/60Hz(adaptive)	
Output		
Output power rating	6200W	
Output voltage	220/230/240VAC±5%	
Output frequency	50/60Hz±0.1%	
Wave form	Pure sine wave	
Peak power	12400VA	
Battery		
Rated Voltage	48Vdc	
Floating charge voltage	54vdc	
Solar charge & AC charge		
Maximum input power	8500W	
MPPT input voltage range	120~500Vdc	
Best Vmp operating range	300~400Vdc	
Maximum PV input voltage	500Vdc	
Maximum PV input current	36A	
Maximum PV/AC charging current	120A/100A	
Environment		
Operating temperature	-10~65℃	
Altitude	less 1000m,maximum 4000m	
Noise	≤50db	
Optional Function		
Wi-Fi Function	YES/NO	
Grid anti-backflow CT	/	

6.2KW inverter/5.12-30.72KWh battery(ALL-IN-ONE)



Larger Battery Capacity
Modular Design
100% Deeply Discharge

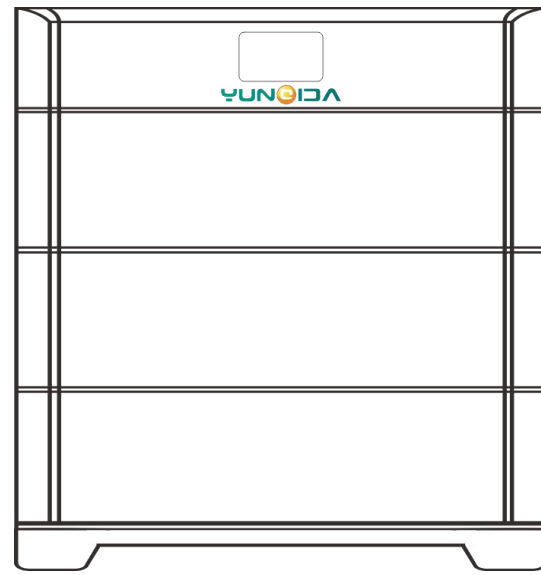
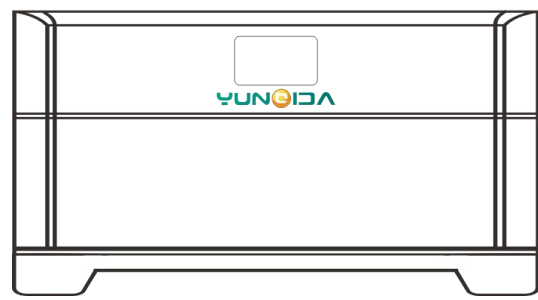
Flexible Application
5.12KWh modular design
5-30KWh Flexible Expansion

Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles

Simple Installation
25KG Hybird Inverter Module
55KG Battery Module

Transparency
Bluetooth&Wi-Fi Connection
Real Time Monitoring System

Active Safety
Smart Active BMS System
Fire Extinguishers
Installed



Model	5121001	5122001	5123001	5124001	5125001	5126001
5.12 - 30.72KWh Lithium Battery						
Performance						
Rated voltage	51.2V					
Rated capacity	100Ah*1	100Ah*2	100Ah*3	100Ah*4	100Ah*5	100Ah*6
Battery Capacity	5.12KWh	10.24KWh	15.36KWh	20.48KWh	25.6KWh	30.72KWh
Maximum continuous discharge current	100A					
Standard charging current	<100A					
Standard discharge current	<100A					
Communication						
Communication	RS232、RS485、CAN					
General Specification						
Dimension(W×D×H mm)	550*492*540mm	550*492*730mm	550*492*920mm	550*492*1110mm	550*492*1300mm	550*492*1490mm
Weight(kg)	101Kg	156Kg	211Kg	266Kg	321Kg	376Kg
Cell type	Lithium Battery (LiFePO ₄)					
Installation	Wheel Style/Floor Stand					
Operating suitable temperature	-20℃~65℃					
Cycle life	>6000 Cycles					
Standard Compliance						
Certificates	UN38.3,MSDS,IEC,CE,RoHs,UL					
6.2KW Hybrid Inverter						
Input						
Rated Voltage	220/230/240VAC					
Voltage Range	90-280VAC±3V(Normal)170-280VAC±3V(UPS Model)					
Frequency range	50Hz/60Hz(adaptive)					
Output						
Output power rating	6200W					
Output voltage	220/230/240VAC±5%					
Output frequency	50/60Hz±0.1%					
Wave form	Pure sine wave					
Peak power	12400VA					
Battery						
Rated Voltage	48Vdc					
Floating charge voltage	54vdc					
Solar charge & AC charge						
Maximum input power	8500W					
MPPT input voltage range	120~500Vdc					
Best Vmp perating range	300~400Vdc					
Maximum PV input voltage	500Vdc					
Maximum PV input current	36A					
Maximum PV/AC charging current	120A/100A					
Enviroment						
Operating temperature	-10~65℃					
Altitude	less 1000m,maximum 4000m					
Noise	≤50db					
Optional Function						
WI-Fi Function	YES/NO					
Grid anti-backflow CT	/					

11KW inverter/11.78-70.68KWh battery(ALL-IN-ONE)



Larger Battery Capacity
Modular Design
100% Deeply Discharge

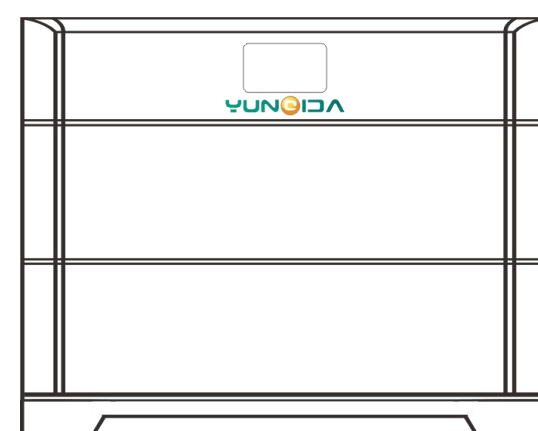
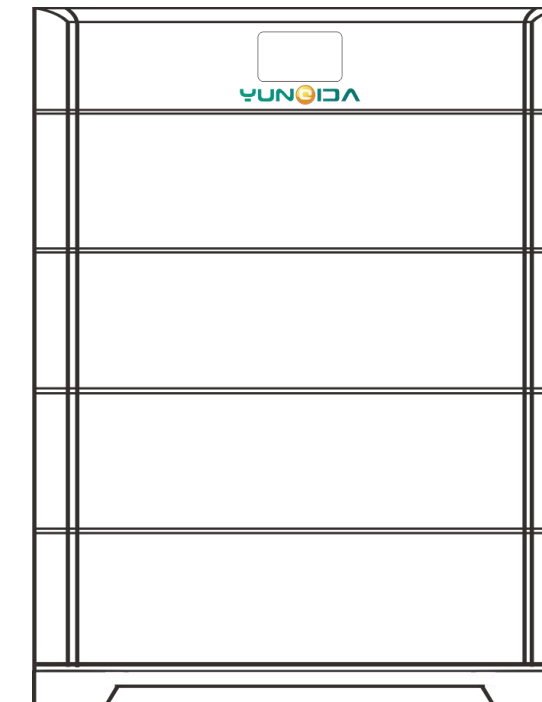
Simple Installation
38KG Hybird Inverter Module
75KG Battery Module

Flexible Application
11.78KWh modular design
11-70KWh Flexible Expansion

Transparency
Bluetooth&Wi-Fi Connection
Real Time Monitoring System

Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles

Active Safety
Smart Active BMS System
Fire Extinguishers
Installed

						
Model	5122002	5124002	5126002	5128002	51210002	51212002
11.78KWh - 70.68KWh Lithium Battery						
Performance						
Rated voltage	51.2V					
Rated capacity	230Ah*1	230Ah*2	230Ah*3	230Ah*4	230Ah*5	230Ah*6
Battery Capacity	11.78KWh	23.56KWh	35.34KWh	47.12KWh	58.9KWh	70.68KWh
Maximum continuous discharge current	230A					
Standard charging current	<150A					
Standard discharge current	<215A					
Communication						
Communication	RS232、RS485、CAN					
General Specification						
Dimension(W×D×H mm)	632*590*620mm	632*590*879mm	632*590*1138mm	632*590*1397mm	632*590*1656mm	632*590*1915mm
Weight(kg)	136Kg	211Kg	286Kg	361Kg	436Kg	511Kg
Cell type	Lithium Battery (LiFePO ₄)					
Installation	Wheel Style/Floor Stand					
Operating suitable temperature	-20℃~65℃					
Cycle life	>6000 Cycles					
Standard Compliance						
Certificates	UN38.3,MSDS,IEC,CE,RoHs,UL					
11KW Hybrid Inverter						
Input						
AC Voltage Range	90~280VAC OR 170~280VAC					
PV Voltage Range	PV (DC) 360~500VDC; MPPT 90~450VDC					
Frequency range	50Hz/60Hz(Auto detection)					
Output						
Output power rating	11000W					
Output voltage	220/230/240VAC±5%					
Output frenquency	50/60Hz±0.1%					
Wave form	Pure sine wave					
Peak power	22000W					
Battery						
Rated Voltage	48Vdc					
Floating charge voltage	54vdc					
Solar charge & AC charge						
Maximum input power	7500W+7500W					
MPPT input voltage range	90~450Vdc					
Best Vmp perating range	300~400Vdc					
Maximum PV input voltage	500Vdc					
Maximum PV input current	18A/18A					
Maximum PV/AC charging current	150A					
Enviroment						
Operating temperature	-10~65℃					
Altitude	less 1000m,maximum 4000m					
Noise	≤50db					
Optional Function						
WI-Fi Function	YES/NO					
Grid anti-backflow CT	/					

6.2KW inverter/5.12-30.72KWh battery(ALL-IN-ONE)

Grid anti-backflow CT



Stackable

- Bluetooth
- Wi-Fi
- Fire Extinguisher



Larger Battery Capacity
Modular Design
100% Deeply Discharge



Flexible Application
5.12KWh modular design
5-30KWh Flexible Expansion



Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles



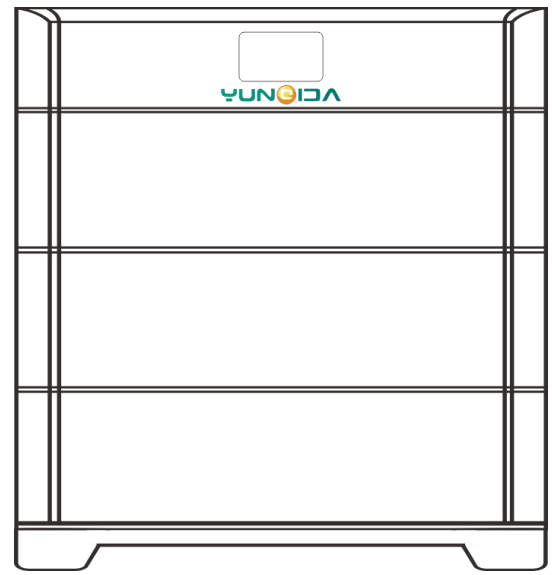
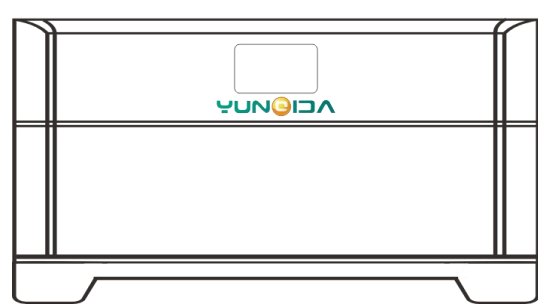
Simple Installation
25KG Hybird Inverter Module
55KG Battery Module



Transparency
Bluetooth&Wi-Fi Connection
Real Time Monitoring System



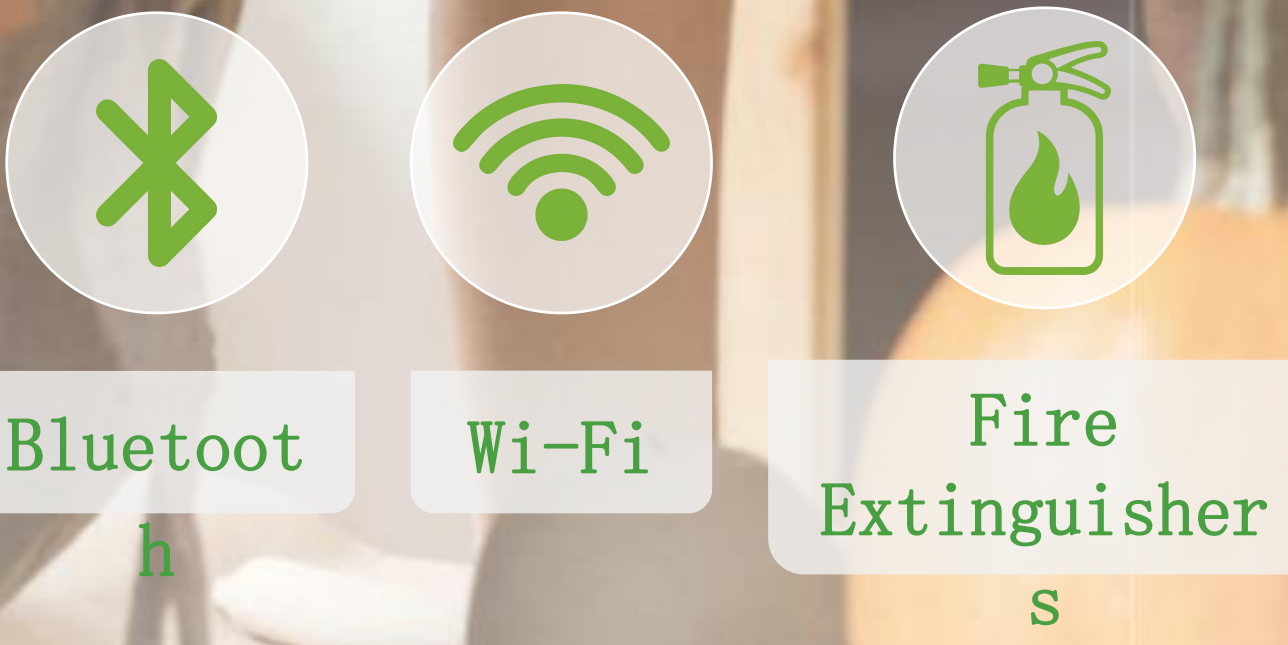
Active Safety
Smart Active BMS System
Fire Extinguishers
Installed



Model	5121001-CT	5122001-CT	5123001-CT	5124001-CT	5125001-CT	5126001-CT
5.12 - 30.72KWh Lithium Battery						
Performance						
Rated voltage	51.2V					
Rated capacity	100Ah*1	100Ah*2	100Ah*3	100Ah*4	100Ah*5	100Ah*6
Battery Capacity	5.12KWh	10.24KWh	15.36KWh	20.48KWh	25.6KWh	30.72KWh
Maximum continuous discharge current	100A					
Standard charging current	<100A					
Standard discharge current	<100A					
Communication						
Communication	RS232、RS485、CAN					
General Specification						
Dimension(W×D×H mm)	550*492*540mm	550*492*730mm	550*492*920mm	550*492*1110mm	550*492*1300mm	550*492*1490mm
Weight(kg)	101Kg	156Kg	211Kg	266Kg	321Kg	376Kg
Cell type	Lithium Battery (LiFePO ₄)					
Installation	Wheel Style/Floor Stand					
Operating suitable temperature	-20℃~65℃					
Cycle life	>6000 Cycles					
Standard Compliance						
Certificates	UN38.3,MSDS,IEC,CE,RoHs,UL					
6.2KW On & Off Grid Inverter						
Input						
Rated Voltage	220/230/240VAC					
Voltage Range	90-280VAC±3V(Normal)170-280VAC±3V(UPS Model)					
Frequency range	50Hz/60Hz(adaptive)					
Output						
Output power rating	6200W					
Output voltage	220/230/240VAC±5%					
Output frequency	50/60Hz±0.1%					
Wave form	Pure sine wave					
Peak power	12400VA					
Battery						
Rated Voltage	48Vdc					
Floating charge voltage	54vdc					
Solar charge & AC charge						
Maximum input power	6200W					
MPPT input voltage range	120~500Vdc					
Best Vmp perating range	300~400Vdc					
Maximum PV input voltage	500Vdc					
Maximum PV input current	36A					
Maximum PV/AC charging current	120A/100A					
Enviroment						
Operating temperature	-10~65℃					
Altitude	less 1000m,maximum 4000m					
Noise	≤50db					
Optional Function						
WI-Fi Function	YES/NO					
Grid anti-backflow CT	YES/NO					

12KW inverter/11.78-70.68KWh battery(ALL-IN-ONE)

Grid anti-backflow CT



Larger Battery Capacity
Modular Design
100% Deeply Discharge

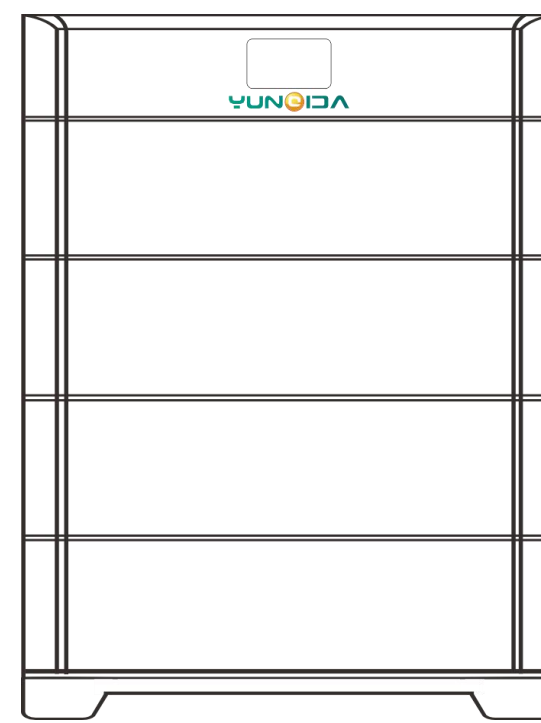
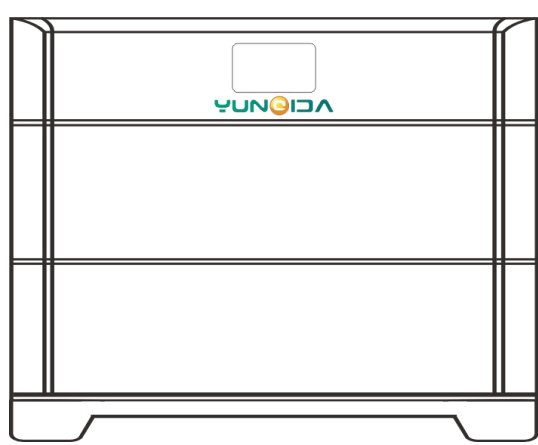
Flexible Application
11.78KWh modular design
11-70KWh Flexible Expansion

Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles

Simple Installation
38KG Hybird Inverter Module
75KG Battery Module

Transparency
Bluetooth&Wi-Fi Connection
Real Time Monitoring System

Active Safety
Smart Active BMS System
Fire Extinguishers
Installed



Model	5122002-CT	5124002-CT	5126002-CT	5128002-CT	51210002-CT	51212002-CT
11.78KWh - 70.68KWh Lithium Battery						
Performance						
Rated voltage	51.2V					
Rated capacity	230Ah*1	230Ah*2	230Ah*3	230Ah*4	230Ah*5	230Ah*6
Battery Capacity	11.78KWh	23.56KWh	35.34KWh	47.12KWh	58.9KWh	70.68KWh
Maximum continuous discharge current	230A					
Standard charging current	<150A					
Standard discharge current	<215A					
Communication						
Communication	RS232、RS485、CAN					
General Specification						
Dimension(W×D×H mm)	632*590*620mm	632*590*879mm	632*590*1138mm	632*590*1397mm	632*590*1656mm	632*590*1915mm
Weight(kg)	136Kg	211Kg	286Kg	361Kg	436Kg	511Kg
Cell type	Lithium Battery (LiFePO ₄)					
Installation	Wheel Style/Floor Stand					
Operating suitable temperature	-20℃~65℃					
Cycle life	>6000 Cycles					
Standard Compliance						
Certificates	UN38.3,MSDS,IEC,CE,RoHs,UL					
12KW On & Off Grid Inverter						
Input						
AC Voltage Range	90~280VAC OR 170~280VAC					
PV Voltage Range	PV (DC) 360~500VDC；MPPT 90~450VDC					
Frequency range	50Hz/60Hz(Auto detection)					
Output						
Output power rating	12000W					
Output voltage	220/230/240VAC±5%					
Output frenquency	50/60Hz±0.1%					
Wave form	Pure sine wave					
Peak power	24000W					
Battery						
Rated Voltage	48Vdc					
Floating charge voltage	54vdc					
Solar charge & AC charge						
Maximum input power	9000W+9000W					
MPPT input voltage range	90~450Vdc					
Best Vmp perating range	300~400Vdc					
Maximum PV input voltage	500Vdc					
Maximum PV input current	27A/27A					
Maximum PV/AC charging current	150A					
Enviroment						
Operating temperature	-10~65℃					
Altitude	less 1000m,maximum 4000m					
Noise	≤50db					
Optional Function						
WI-Fi Function	YES/NO					
Grid anti-backflow CT	YES/NO					

12KW inverter/32-64KWh battery(ALL-IN-ONE)

Grid anti-backflow CT



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Simple Installation

38KG Hybrid Inverter Module
75KG Battery Module



Flexible Application

11.78KWh modular design
11-70KWh Flexible Expansion



Transparency

Bluetooth&Wi-Fi Connection
Real Time Monitoring System



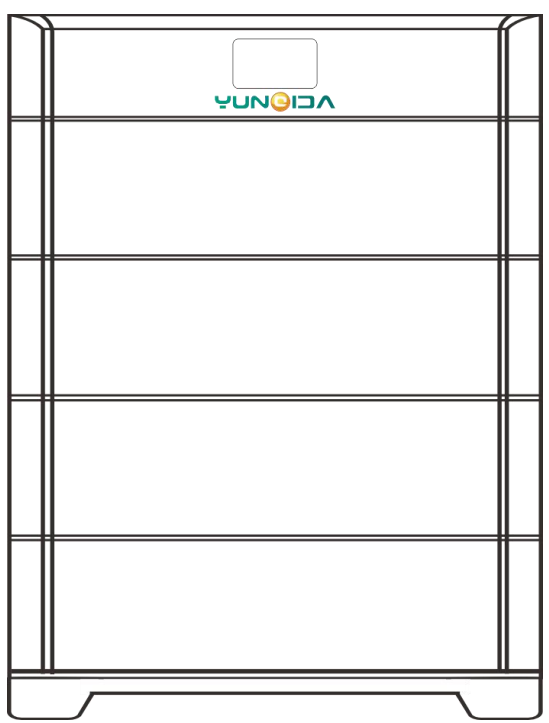
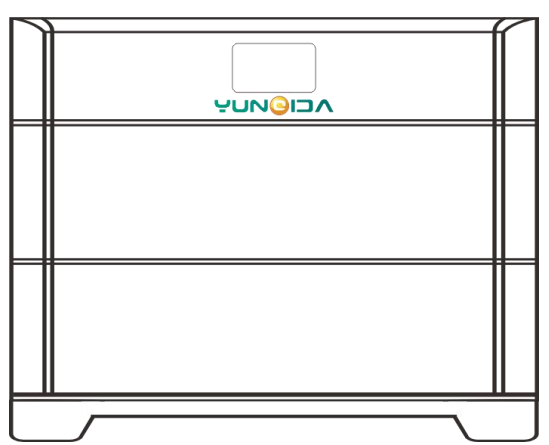
Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles



Active Safety

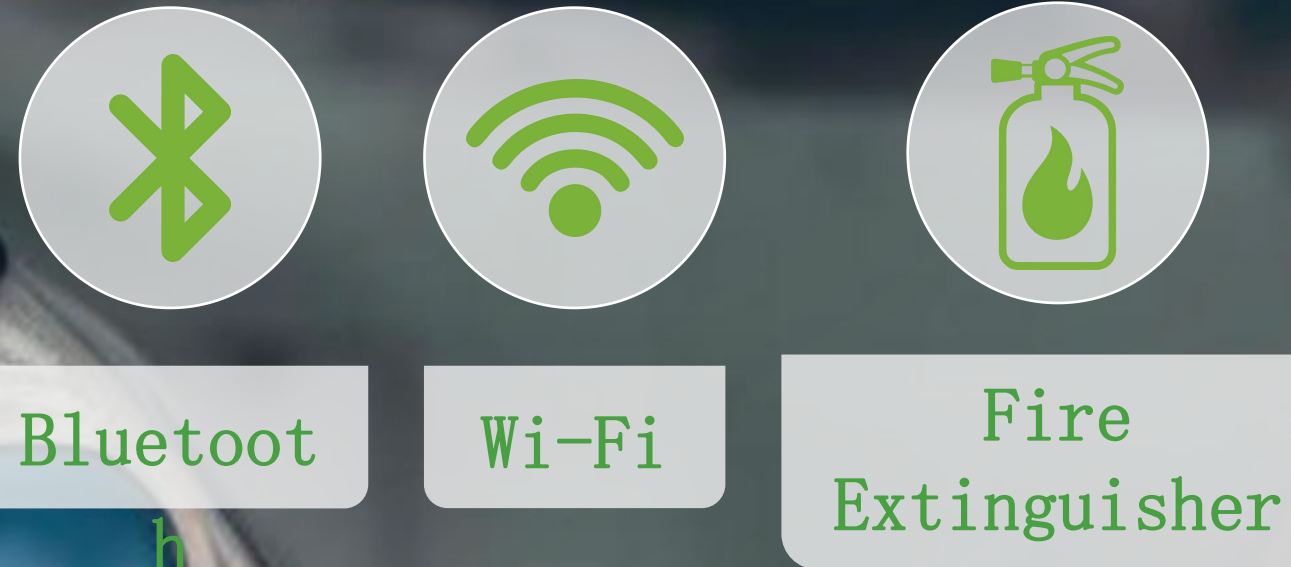
Smart Active BMS System
Fire Extinguishers
Installed



Model	YQD-5126003A1-CT	YQD-5129003A2-CT	YQD-51212003A3-CT
32-64KWh Lithium Battery			
Performance			
Rated voltage	51.2V		
Rated capacity	314Ah*2	314Ah*3	314Ah*4
Battery Capacity	32KWh	48KWh	64KWh
Maximum continuous discharge current	300A		
Standard charging current	<150A		
Standard discharge current	<230A		
Communication			
Communication	RS232、RS485、CAN		
General Specification			
Dimension(W×D×H mm)	660*740*900mm		
Weight(kg)	288Kg		
Cell type	Lithium Battery (LiFePO ₄)		
Installation	Wheel Style/Floor Stand		
Operating suitable temperature	-20℃~65℃		
Cycle life	>8000 Cycles		
Standard Compliance			
Certificates	UN38.3,MSDS,IEC,CE,RoHs,UL		
12KW Hybrid Inverter			
Input			
AC Voltage Range	170~280VAC OR 305~480VAC		
PV Voltage Range	PV (DC) 360~500VDC; MPPT 200~650VDC		
MPPT Quantity	2pcs		
Max charge current	Main 120A; hybrid charge 260A		
Frequency range	50Hz/60Hz(Auto detection)		
Output			
Output power rating	12000W		
Output voltage	230VAC/400VAC		
Output frequency	50/60Hz±0.1%		
Wave form	Pure sine wave		
Peak power	22000W		
Battery			
Rated Voltage	48Vdc		
Floating charge voltage	54vdc		
Solar charge & AC charge			
Maximum input power	9000W+9000W		
MPPT input voltage range	200~650Vdc		
Maximum PV input voltage	800Vdc		
Maximum PV/AC input current	22A+22A		
Maximum PV/AC charging current	PV:260A, AC:120A		
Enviroment			
Operating temperature	-10~65℃		
Altitude	less 1000m,maximum 4000m		
Noise	≤50db		
Optional Function			
WI-Fi Function	YES/NO		
Grid anti-backflow CT	YES/NO		

12KW inverter/30-60KWH battery(ALL-IN-ONE)

3 Phase



Larger Battery Capacity
Modular Design
100% Deeply Discharge



Flexible Application
15KWh modular design
30-60KWh Flexible Expansion



Safe & Reliable
Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 8000 Cycles



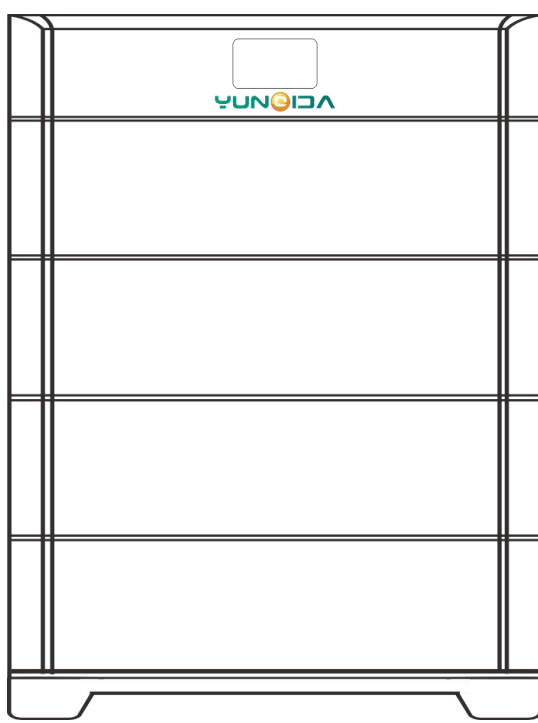
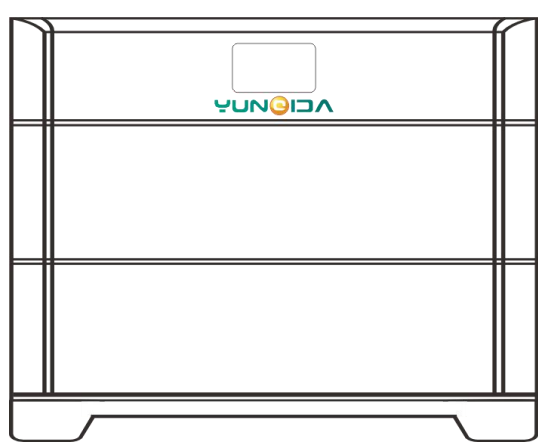
Simple Installation
49KG Hybrid Inverter Module
135KG Battery Module



Transparency
Bluetooth&Wi-Fi Connection
Real Time Monitoring System



Active Safety
Smart Active BMS System
Fire Extinguishers
Installed



Model	YQD-5126003-LFOESS	YQD-5129003-LFOESS	YQD-51212003-LFOESS
30KWh Lithium Battery			
Performance			
Rated voltage	51.2V		
Rated capacity	300Ah*2	300Ah*3	300Ah*4
Battery Capacity	30KWh	45KWh	60KWh
Maximum continuous discharge current	300A		
Standard charging current	<150A		
Standard discharge current	<230A		
Communication			
Communication	RS232、RS485、CAN		
General Specification			
Dimension(W×D×H mm)	660*740*900mm		
Weight(kg)	288Kg		
Cell type	Lithium Battery (LiFePO ₄)		
Installation	Wheel Style/Floor Stand		
Operating suitable temperature	-20℃~65℃		
Cycle life	>8000 Cycles		
Standard Compliance			
Certificates	UN38.3,MSDS,IEC,CE,RoHs,UL		
12KW Hybrid Inverter			
Input			
AC Voltage Range	170~280VAC OR 305~480VAC		
PV Voltage Range	PV (DC) 360~500VDC; MPPT 200~650VDC		
MPPT Quantity	2pcs		
Max charge current	Main 120A; hybird charge 260A		
Frequency range	50Hz/60Hz(Auto detection)		
Output			
Output power rating	12000W		
Output voltage	230VAC/400VAC		
Output frenquency	50/60Hz±0.1%		
Wave form	Pure sine wave		
Peak power	22000W		
Battery			
Rated Voltage	48Vdc		
Floating charge voltage	54vdc		
Solar charge & AC charge			
Maximum input power	9000W+9000W		
MPPT input voltage range	200~650Vdc		
Maximum PV input voltage	800Vdc		
Maximum PV/AC input current	22A+22A		
Maximum PV/AC charging current	PV:260A, AC:120A		
Enviroment			
Operating temperature	-10~65℃		
Altitude	less 1000m,maximum 4000m		
Noise	≤50db		
Optional Function			
WI-Fi Function	YES/NO		
Grid anti-backflow CT	YES/NO		

12KW inverter/30-60KWH battery(ALL-IN-ONE)

US-Standard 120V



Larger Battery Capacity

Modular Design
100% Deeply Discharge



Flexible Application

11.78KWh modular design
11-70KWh Flexible Expansion



Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 8000 Cycles



Simple Installation

38KG Hybrid Inverter Module
75KG Battery Module



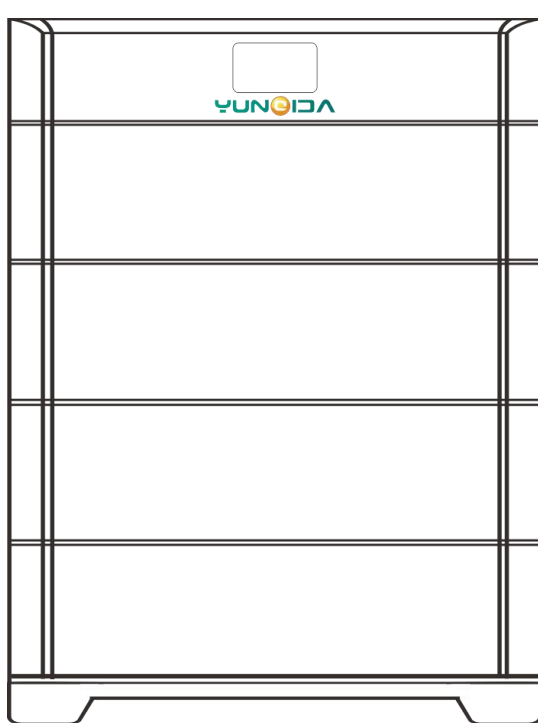
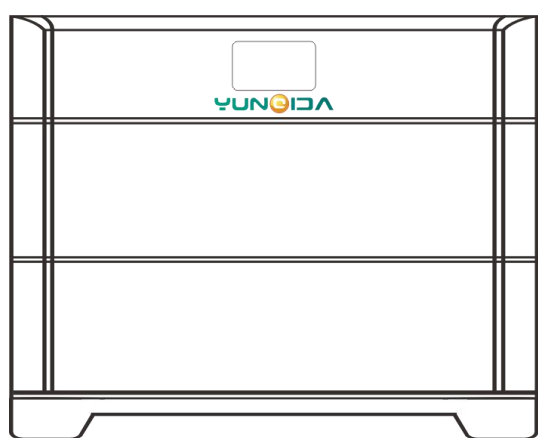
Transparency

Bluetooth&Wi-Fi Connection
Real Time Monitoring System



Active Safety

Smart Active BMS System
Fire Extinguishers
Installed



Model	5122002B	5124002B	5126002B	5128002B	51210002B	51212002B
11.78KWh - 70.68KWh Lithium Battery						
Performance						
Rated voltage	51.2V					
Rated capacity	230Ah*1	230Ah*2	230Ah*3	230Ah*4	230Ah*5	230Ah*6
Battery Capacity	11.78KWh	23.56KWh	35.34KWh	47.12KWh	58.9KWh	70.68KWh
Maximum continuous discharge current	300A					
Standard charging current	150A					
Standard discharge current	200A					
Communication						
Communication	RS232、RS485、CAN					
General Specification						
Dimension(W×D×H mm)	632*590*620mm	632*590*879mm	632*590*1138mm	632*590*1397mm	632*590*1656mm	632*590*1915mm
Weight(kg)	136Kg	211Kg	286Kg	361Kg	436Kg	511Kg
Cell type	Lithium Battery (LiFePO ₄)					
Installation	Wheel Style/Floor Stand					
Operating suitable temperature	-20℃~65℃					
Cycle life	>8000 Cycles					
Standard Compliance						
Certificates	UN38.3,MSDS,IEC,CE,RoHs,UL					
12KW Hybrid Inverter						
Input						
AC Voltage Range	120(L1/N, L2/N)/240Vac(L1/L2)					
PV Voltage Range	90~500VDC					
MPPT Quantity	2pcs					
Max charge current	160A					
Frequency range	50Hz/60Hz(Auto detection)					
Output						
Output power rating	12000W					
Output voltage	120(L1/N, L2/N)/240Vac(L1/L2)					
Output frequency	50/60Hz±0.1%					
Wave form	Pure sine wave					
Peak power	Split phase 18000VA; Single phase 18000VA					
Battery						
Rated Voltage	48Vdc					
Floating charge voltage	54vdc					
Solar charge & AC charge						
Maximum input power	6000W+6000W					
MPPT input voltage range	90~450Vdc					
Maximum PV input voltage	6000W+6000W					
Maximum PV/AC input current	22A+22A					
Maximum PV/AC charging current	160A					
Enviroment						
Operating temperature	-25~60℃					
Altitude	less 1000m,maximum 4000m					
Noise	≤60db					
Optional Function						
Wi-Fi Function	YES/NO					
Grid anti-backflow CT	YES/NO					



C&I Solar Energy Storage System



Bluetoot



Wi-Fi



Fire
Extinguisher

Solution for Fast Install

Fully integrated, pre-configured package system reduces on-site installation time; includes inverter(s), battery trays, racks, BMS, Microgrid Controller, HVAC, fire suppression, islanding switch, and outdoor rated enclosure.

Easy & Flexible to Scale

The modular design allows for easy capacity expansion.
The rack-mounted design allowsfor installation in various settings.
A single system can be expanded up to 60kWh.

Safe Technology & Multi-level Protection

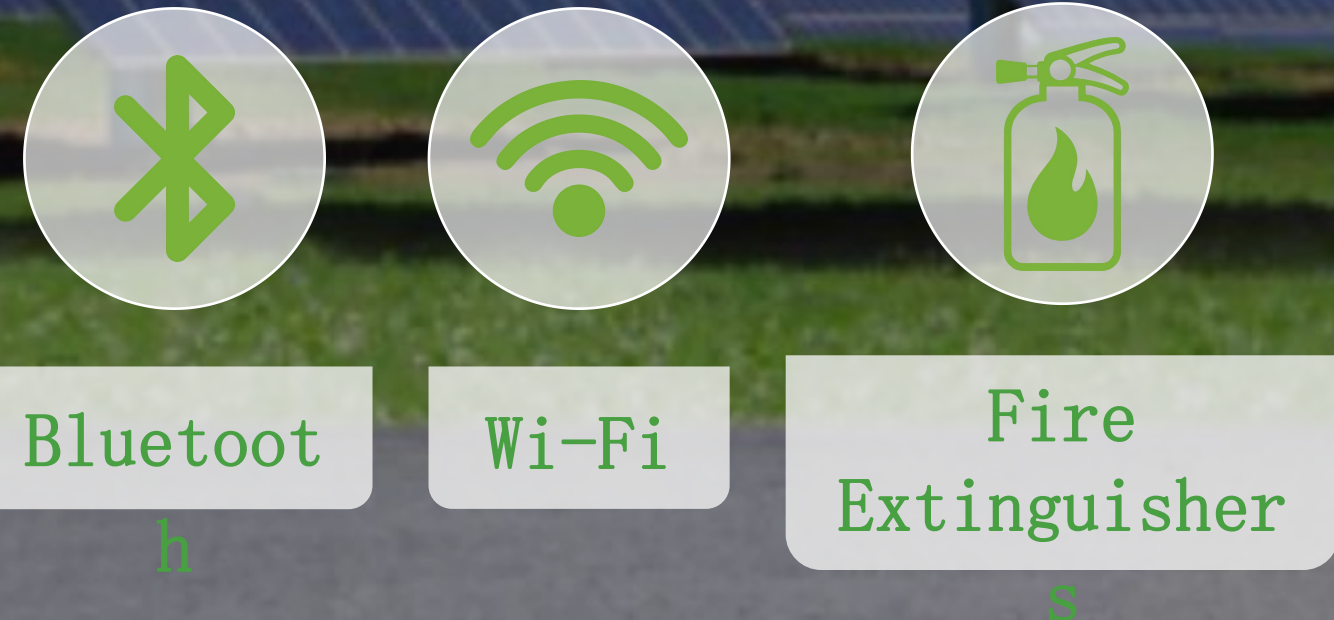
Tier 1 LiFePO4 Phosphate chemistry for the highest level of safety, thermal stability, and reliability; An integrated, multi-level Battery Management System(BMS) monitors, optimizes, and balances the system.

Powerful Performance

Supports a rated DC power of 30kW. It can handle charge/ discharge currents of 50A(recommended), 100A(nominal), and up to 125A peak discharge for 2 minutes at 25° C.

Model	YQD-BESS-30K60
System Specification	
Nominal Output Power/UPS Power(W)	30000
ACOutput Frequencyand Voltage	50/60Hz;3L/N/PE 220/380,230/400Vac
Grid Type	Three phase
Energy Configuration (kWh)	61.44
Dimension (WxDxH,mm)	1100x750x2300 (no contain inverter)
Weight Appr. (kg)	100
ACOutput Rated Current(A)	779.20(no contain inverter)
Battery Operating Voltage (V)	100~500
Battery Chemistry	LiFePO4
IP Rating of Endosure	IP55
System Certification	UN38.3,IEC62619,CE,CEI 0-21,VDE-AR-N4105,IEC62109,UL
Installation Style	Floor-Mounted
Inverter Technical Specification	
Max.PV Input Power(W)	39000
Max.PV Input Current(A)	36+36+36+36
Rated PV Input Voltage (Vdc)	600
Start Up DC Voltage(Vdc)	180
MPPT Voltage Range(Vdc)	150-850
Max.PV Short-circuit Current(A)	55+55+55+55
Number of MPPT	3
Peak Power(off grid)	1.5 time of rated power, 10s
Power Factor	0.8 leading to 0.8 lagging
THD	<3%
DC injection current(mA)	<0.5In
Display	LCD
Operating Temperature Range(°C)	-40~60(>45°C derating)
Relative Humidity	15%~85%(No Condensing)
Dimension (WxDxH,mm)	420x233x670
Inverter Communication	CAN,RS485,WIFI,ETH
Safety EMC/Standard	IEC/EN62109-1,IECEN62109-2,IEC/EN,61000-6-1,IEC/EN61000-6-2,IEC/EN61000-6-3,IECEN61000-6-4
Grid Regulation	VDE4105,IEC61727/62116,VDE0126,AS47772,CB021,EN50549-1,G98,G99,C10-11,UNE217002,NBR16149/NBR16150
Max.Efficiency	97.6%
Max.charging/discharging efficiency	91%
Max Parallel connection sets	10
Battery Technical Specification	
Battery Module Nominal Voltage (V)	614.4
Battery Capacity (Ah)	100
Battery Energy(kWh)	61.44
BMS Communication	CAN
BMS parallel support connection	3sets(Standard),32 sets(Extra BAU module)
Max Charge&Discharge Current(A)	100
Operating Temperature Range	Charge:0~55°C/Discharge:-20°C~55°C
Cycle Life	≥6500(@25°C±2°C,0.5C/0.5C,70%EOL)
Short Circuit Protection	YES
Over Current Protection	YES
Over Charge Protection	YES
Over Temperature Protection	YES
CellOver Voltage Protection	YES
CellOver Under Protection	YES
CellDischarge Protection	YES

C&I Solar Energy Storage System



Safe:

- Early therma runaway prewarning and PACK-level combustibile gas detection to realize targeted fire extinguishing bycoordinating with BMS and EMS;
- Using flame retardant material and multiple ESS can be connected seamlessly,saving 20% of space and reducing maintenancencost by 10%;
- Patented bionic tree runner design with PACK temperature difference $\leq 5^{\circ}\text{C}$ and battery cycle life increased by 12%;
- Adopt "emergency avoidance design"with BMS and EMS online backup to reduce failure rate by 5%;
- Compact and safe designwith core components (air conditioners,PCS)integrated within the cabinet to reduce the risk of hidden failure.

Simple:

- All-in-one design and modular installation with single cabinet covering an area of just 1.68m²;
- Applicable to multiple industrial scenarios and easy to connect to the grid;
- Easily plug and play with aviation plug and simple capacity expansion covering power range from 50kW to 1MW;
- Factory prefabrication and integrated transportation to reduce the transportation, installation and commissioning fees by 15%.

Smart:

- Remote cloud operation and maintenance,supporting remote and local monitoring;
- Smart balancing strategy and system AI prewarning to ensure the consistency of battery life cycle;
- Support black start functionwith reliable power supply in off-grid/micro-grd mode;
- Support a variety of operation modes (virtual power plant, grid-connected,off-grid) to improve revenue.



Battery Specification										
Battery Module Qty in series	6	7	8	9	10	11	12	13	14	15
Rated voltage	307.2V	358.4V	409.6V	460.8V	512V	563.2V	614.4V	665.6V	716.8V	768V
System Operating Min.Voltage	268.8V	313.6V	358.4V	403.2V	448V	492.8V	537.6V	582.4V	627.2V	672V
System Operating Max.Voltage	345.6V	403.2V	460.8V	518.4V	576V	633.6V	691.2V	748.8V	806.4V	864V
System Energy	96.5kWh	112.5kWh	128.6kWh	144.7kWh	160.8kWh	176.8kWh	192.9kWh	209kWh	225.1kWh	241.2kWh
Usable Energy	91.6kWh	106.9kWh	122.2kWh	137.5kWh	152.7kWh	168kWh	183.3kWh	198.5kWh	213.8kWh	229.1kWh
Output rating	60kW									
Rated grid voltage	220/380Vac, 230/400Vac (3L+N+PE)									
Rated output current	91.2A									
Rated grid frequency	50/60Hz $\pm 0.3\text{Hz}$									
Output THDi	3% of the rated power									
Power factor	0.8 advance to 0.8 lag									
Overload capacity	110% (long duration), 140% (10 seconds)									
Maximum PV input power	120kW									
Maximum PV input voltage	1000Vdc									
MPPT operating voltage range	150~850Vdc									
Number of MPPT trackers	4									
Maximum PV input current	40A/40A/40A/40A									
Maximum short circuit current	60A/60A/60A/60A									
Dimensions (width $\times$ height $\times$ depth)	1900*2390*1300mm									
Weight	2350kg									
Working temperature	-30°C to $+55^{\circ}\text{C}$ (-22°F to $+131^{\circ}\text{F}$) (degradation occurs below -15°C or above 45°C)									
Maximum working altitude	3000m (> 2000m Derating)									
Noise	$\leq 75\text{dB}$									
IP grade	IP55									
Cooling-down method	Intelligent air cooling									
Fire-extinguishing system	Aerosol/smoke sensor/sono-optical alarm									
Communication	CAN / RS485 / TCP									
Cycle life	10,000 cycles ($25\pm 2^{\circ}\text{C}$, 0.5P/0.5P,70% SOH)									
Corrosion protection grade	C3									
Compliance	UN38.3、GB/T36276,MSDS,IEC,CE,RoHs,UL									

C&I Solar Energy Storage System



Product characteristics

- Standard 20/40-foot container design,compact design, saving the project land space, suitable for the application oflarge and medium-sized energy storage projects;
- 280 AhPACK + PACK class targeted fire extinguishing + PACK class fan speed regulation;
- DC is 1500 V, to meet the service life of 15 years;
- Patent bionic tree flow channel design, intelligent temperature control system, The system temperature difference is 5°C, and the battery cycle life is increased by 12%;
- General control cabinet, integrating DC confluence, power distribution, communication and control;
- Cell level automatic fire set detection, fire extinguishing, combustile gas Detection, smoke prevention and exhaust, explosion discharge function in the whole machine
- The module uses new non-metallic materials, flame retardant grade of 5 VA, at the same time has the characteristics of high temperature resistance, long life, excellent insulation ability, effectively inhibit thermal runaway, electrical insulation problems.

Model	YQD-BESS-3.72MWH/5MWH	
	System Specification	
Model No	YQD-BESS-3.72MWH	YQD-BESS-5MWH
Single Cell Type	LFP 3.2V/280AH	LFP 3.2V/280AH
Module Combination	10*1P416S	14*1P416S
Number of Battery Clusters	10	14
Capacity (KWh)	1075	2150
Nominal Voltage (Vdc)	1331.2	
Voltage Range (Vdc)	1164.8~1497.6	
Charge/Discharge Current	0.8C	
Discharge Depth	90% DoD	
Service Life	>8500 cycles@80%DoD	
Thermal Management Mode	Liquid cooling technology	
Thermal Runaway Management-1	Aerosol Extinguishing or PFH	
Thermal Runaway Management-2	Water Immersion	
Dimensions (W*D*H)	6058*2438*2896mm / 239*95.9*114.0 in	8200*2438*2896mm / 322.8*95.9*114.0 in
Total Weight	≈40t / ≈88185 lbs	≈56t / ≈123459 lbs
Operation Altitude	3000m(>3000m derating)	
Noise Level @1m	<75 dB(A)	
IP Rating	IP55	
Operating Temperature	-20° C to 55° C	
Operating Humidity (RH)	0 to 95%	
Storage Conditions	-20° C to 30° C, Up to 95% RH, non-condensing State of Energy (SoE): 50% initial	
Communication Interface	CAN, RS485, Wi-Fi	
Certifications	IEC62477-1, IEC61000-6/2/4, UN3536	

EU - Standard On & Off Grid Inverter

4.2KW



Features segmented charging and discharging.



Supports operation without a battery. Solar energy and mains power can supply power to load devices together.



Equipped with energy-saving mode, reducing no-load losses.



Offers four charging modes: solar only, mains priority, solar priority, and hybrid charging.



Provides two output modes: mains bypass and inverter output, and has uninterrupted power supply function.



Includes complete protection against short-circuit, over-voltage, under-voltage, overload, and backflow, ensuring 360° safety.



Utilizes fully digital voltage and current dual closed-loop control, advanced SPWM technology, and outputs pure sine waves.



Enables remote monitoring and management via Wi-Fi or G.



Model	YQD-4.2K-24V-EU	
Max. Power(W)	4200VA/4200W	
AC Input		
Rated input voltage	230VAC	
Input Voltage	170~280VAC(UPSmode);90~280VAC(family mode)	
Frequency	50Hz/60Hz(Automatic detection)	
Inverter Output		
Output voltage	230VAC±5%	
Peak power	8400VA	
Efficiency	90%~93%	
Transfer time	≥10ms	
Output voltage waveform	Pure sine wave	
Battery DATA		
Battery voltage	24VDC	
Charging Voltage	27VDC	
Battery overvoltage protection value	32VDC	
PV&AC Charging		
Solar charging type	MPPT	
Max. input voltage of MPPT	500VDC	
MPPT power	4000W	
MPPT working range	120~450VDC	
MPPT charging current	80A	
Charging current of mains power	60A	
Max. charging current	140A	
Certification Standards		
Certification	CE(IEC62109-1,2),UL1741	
EMC certification level	EN61000-6-1,EN61000-6-3,FCC 15 class B	
Operating temperature range	-15°Cto 55°C	
Storage temperature range	-25°C~55°C	
Humidity range	5% to 95%(Coating protection)	
Noise	≤60dB	
IP Rating	IP21	
Cooling method	Forced air cooling,intelligent variable speed fan	
Communication interface	RS232/RS485	
Dimensions (L*W*H)	456x300x125mm	
Net Weight(kg)	9	
Optional Function		
Parallel function	☐ YES	☐ NO
Wi-Fi function	☐ YES	☐ NO
Grid anti-backflow CT	☐ YES	☐ NO

EU - Standard On & Off Grid Inverter

6.2KW/12KW



Features segmented charging and discharging.



anti-backflow grid connection function (photovoltaic mixed power supply), can set grid connection mode.



Supports use without battery. Solar energy and mains power can supply power to load devices together.



Equipped with energy-saving mode functions, reducing no-load losses.



There are charging modes to choose from: solar only, mains priority, solar priority, and hybrid charging.



Equipped with dual activation function of lithium battery, it can be triggered by connecting either mains or photovoltaic power source. Provides two output modes: mains bypass and inverter output, and has uninterrupted power supply function.



Includes complete protection against short-circuit, over-voltage, under voltage, overload, and backflow, ensuring safety.



Utilizes fully digital voltage and current dual closed-loop control, advanced SPWM technology, and outputting pure sine waves.



Enables remote monitoring and management via Wi-Fi or G.



Supports PV input up to kW (for the kW model).

Model	YQD-6.2K-48V-EU(IP21)	YQD-12K-48V-EU(IP21)
Parallel mode		
Permitted parallel number	1~6	1~6
AC mode		
Rated input voltage	230Vac ± 5%	230Vac ± 5%
Input voltage range	170~280VAC(UPS mode);90~280VAC(family mode)	
Frequency	50Hz/60Hz (Auto detection)	
Frequency Range	47 ± 0.3Hz~55 ± 0.3Hz(50Hz); 57±0.3Hz~65 ± 0.3Hz(60Hz);	
Overload/short circuit protection	Circuit breaker	
Efficiency	>93%	
Transfer time	≥10ms	
AC reverse protection	Yes	
Maximum bypass overload current	40A	60A
Inverter mode		
Output voltage waveform	Pure sine wave	
Rated output power(VA/W)	6200VA/6200W	12000VA/12000W
Power factor	1	
Rated output voltage(Vac)	230Vac	
Output voltage error	±5%	
Output frequency range(Hz)	50Hz ± 0.3Hz/60Hz ± 0.3Hz	
Maximum Efficiency	>92%	>94%
Overload protection	(102%<load<125%)±10%:report error and turn off the output after 5 minutes; (125%<load<150%)±10%:report error and turn off the output after10 seconds; Load>150%±10%:report error and turn off the output after 5 seconds;	
Peak power	12000VA	24000VA
Loaded motor capability	4HP	8HP
Output short circuit protection	Circuit	breaker
Bypass circuit breaker specification	40A	63A
Rated battery input voltage	48V(Minimum starting voltage 44V)	
Battery voltage range	40.0Vdc~60Vdc±0.6Vdc(Under voltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery...settable on LCD screen)	
Power saving mode self-consumption	Load≤25W	Load≤50W
AC charging		
Battery type	Lead acid or lithium battery	
Maximum charge current(canbeset)	80A	150A
Charge current error	±5Adc	
Charge voltage range	40-60Vdc	
Short circuit protection	Circuit breaker and blown fuse	
Circuit breaker specifications	40A	63A
PV charging		
MPPT way	1	2
Maximum PV open circuit voltage	500Vdc	
PV operating voltage range	120Vdc~500Vdc	120Vdc~500Vdc
MPPT voltage range	90Vdc~450Vdc	90Vdc~450Vdc
Battery voltage range	40-60Vdc	
Maximum PV input power	6200W	9000WX2
Maximum PV input current	27A	27A+27A
Charging shortcircuit protection	Blown fuse	
Wiring protection	Reverse polarity protection	
Hybrid Max.Charging Current(AC+PV)		
Max charging current(can beset)	0-100A	0-150A
Certifieds pecifications		
Certification	CE(IEC62109-1,2),UL1741	
EMC certification level	EN61000-6-1,EN61000-6-3,FCC 15 class B	
Operating temperature range	-10°Cto 55°C	
Storage temperature range	-25°C~60°C	
Humidity range	5% to 95%(Conformal coating protection)	
Noise	≤60dB	
IP Rating	IP21	IP21
Cooling method	Forced air cooling,variable speed off an	
Communication interface	USB/RS485(Wi-Fi/4G)/Dry contact control	
Product Size/Packaging Size(L*W*D)	456x300x125/500x360x180mm	579×353x147mm/630x455×215mm
Net weight/Gross weight(kg)	10/11	19/20
Optional function		
Parallel function	☐ YES	☐ NO
Wi-Fi function	☐ YES	☐ NO
Grid anti-backflowCT	☐ YES	☐ NO

EU - Standard On & Off Grid Inverter

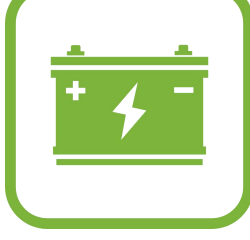
6KW/8KW/12KW-IP66



- 

Up to 22A X2 PV input current.
- 

With IP66 IP Rating.
- 

Time-slot function to save cost with peak-valley.
- 

Supports Li-ion battery BMS communication.
- 

Easy to install and simple to use.
- 

Up to 220A charging current.
- 

Advanced MPPT with up to 99% efficiency.
- 

Multiple safety approvals.
- 

Output shigh-quality pure sine wave AC power.
- 

With software and hardware security protection.
- 

Exclusive Li-ion battery BMS dual activation.

Model	YQD-6K-48V-EU(IP66)	YQD-8K-48V-EU(IP66)	YQD-12K-48V-EU(IP66)
OFF-Grid_x0001_Output			
Rated Output Power	6000W	8000W	12000W
Max. Peak Power	12000VA	16000VA	24000VA
Rated Output Voltage	230Vac single-phase		
Load Capacity of Motors	4HP	5HP	6HP
Output Frequency Range	50Hz/60Hz		
Transfer time	≥10ms		
On-Grid Output			
Rated Output Power	6000W	8000W	12000W
Max. Apparent Power	6000VA	8000VA	12000VA
Rated. Output Current	26A	34.8A	52.2A
Max. Output Current	28.6A	38.3A	57.4A
THD	<3%		
Power Factor	0.8 leading to 0.8 lagging		
Rated Voltage	230Vac,single phase		
Frequency	230Vac		
Battery			
Battery Type	Lead-acid/Li-ion/Usee-defined		
Rated Battery Voltage	48V		51.2V
Battery Voltage Range	40~60Vdc		
Max. PV Charging Current	100A		200A
Max. Utility Charging Current	60A	80A	120A
Max. Generator Charging Current	40A	60A	60A
PV Input			
Number of MPPT	2		
Max. Input Power	4500W+4500W	6000W+6000W	6600W+6600W
Max. Input Current	18A+18A	22A+22A	
Max. Open-circuit Voltage	500Vdc+500Vdc		
MPPT Operating Voltage Range	120-450Vdc		
Utility / Generator Input			
Input Voltage Range	90-280Vdc		
Input Frequency Range	50/60Hz		
Bypass Overload Current	40A		63A
Efficiency			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	97.5%		
General Data			
Number of Parallel	1~6 units		
Product dimensions (L*W*H)	556*345*205mm		750*500*246mm
Packaging dimensions (L*W*H)	635*420*285mm		800*550*330mm
Net weight (kg)	20kg		52kg
Gross weight (kg)	21.5kg		54kg
IP Rating	IP66		
Operating Temperature Range	-25℃~60℃(Derating 45℃)		
Humidity Range	0% ~ 100%		
Noise	≤60dB		
Communication			
Internal Interface	USB/RS485/CAN/Dry contact control		
External Module (optional)	Wi-Fi/4G		
EMC certification level	CE-EMC EN IEC 61000-1:2019		
RoHS	YES		
Wi-Fi function	YES		
Optional Function			
Parallel function	☐YES		☐NO
Grid anti-backflowCT	☐YES		☐NO

Three-Phase Hybrid Solar Storage Inverter

20KW



Advanced MPPT technology with up to 99% efficiency.
Up to 36A+36A PV input current.



Up to 360A charging current.
Support Li-ion battery BMS communication.



Exclusive Li-ion battery BMS dual activation.
Time-slot function to save cost.
Energy saving mode function.



Outputs high quality pure sine wave AC power.
Up to 20kW load power for most household needs.
2 charging modes are available.



Comprehensive security from hardware to software.
Multiple safety certifications.

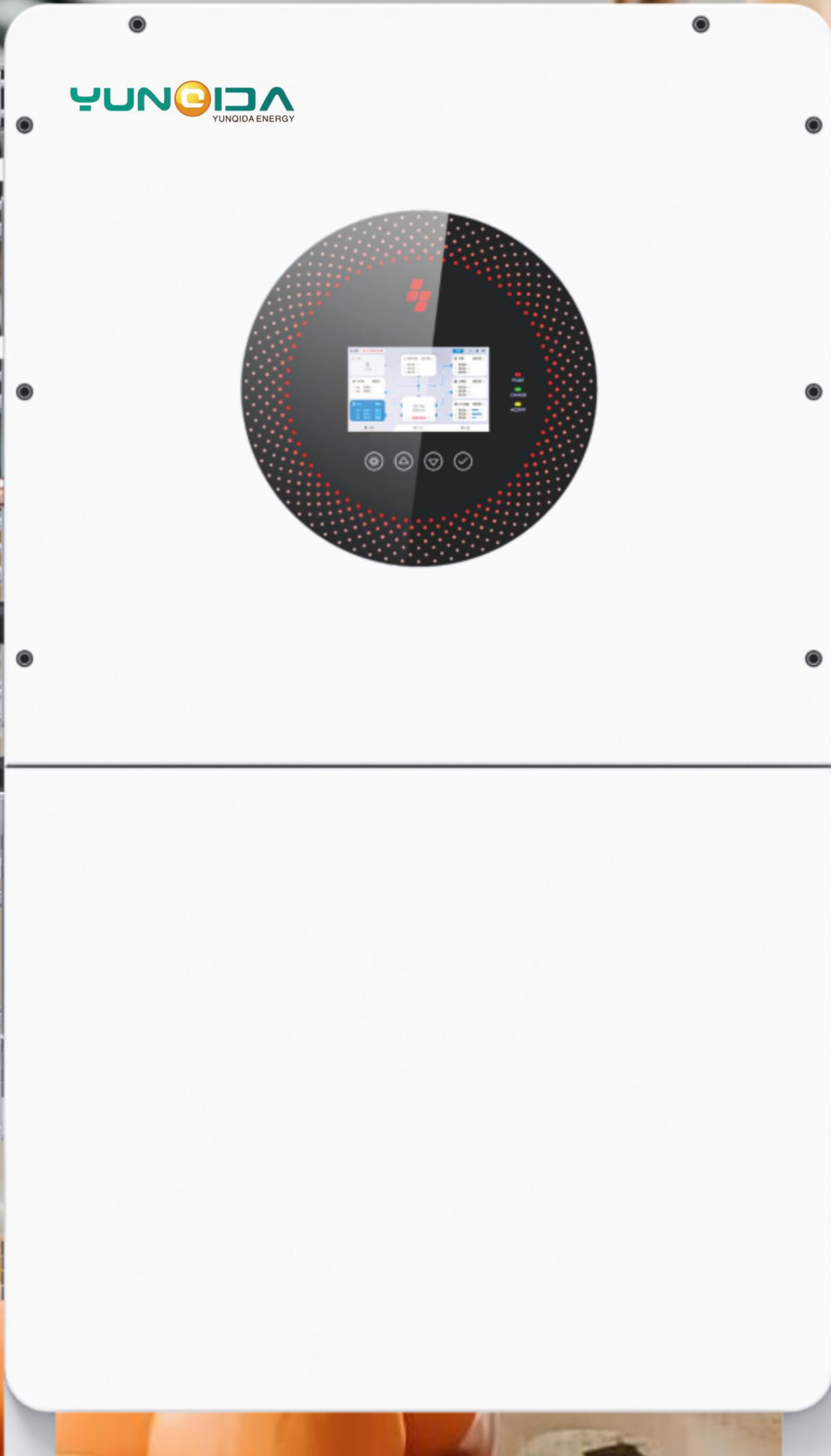


Industrial design with a modern aesthetic look.
Easy to install and simple to use.

Model	YQD-20K-H3P
AC OUTPUT	
Rated Output Power	20000W
Max.AC Output Power	22000VA
Rated AC Output Current	29.0A
Rated Output Voltage	230/400Vac(Three-Phase)
Rated Output Frequency	50/60Hz
Output Waveform	pure sine wave
BATTERY INPUT	
Battery Types	Li-ion/Lead-Acid/User Defined
Rated Battery Voltage	48Vdc
Battery Voltage Range	40Vdc~60Vdc
Max.PV Charging Current	360A
Max.Grid/Generator Charging Current	360A
Max.Charging/Discharging Current	360A
PV INPUT	
No.of MPPT Trackers	2
Max.PV Input Power	15000W/15000w
PV Input Current	36Adc/36Adc
Min.PV Input Voltage/ Start-up Voltage	160Vdc
Max.PV Input Voltage	1000Vdc
MPPT Operating Voltage Range	160Vdc~800Vdc
GRID/GENERATOR INPUT	
Rated Input Voltage	230/400Vac (Three-Phase)
Rated Input Frequency	50/60Hz
AC Voltage Range	Phase voltage 170~280V,Line voltage 305~485V
EFFICIENCY	
MPPT Tracking Efficiency	>99%
Max.Efficiency	97.6%
GENERAL DATA	
Parallel Capacity	1~6 units
Dimensions(W×H×D)	593.4×803.4×215mm
Weight	50kg
Protection Degree	IP20,indoor only
Ambient Temp	-10~55℃,>45℃ derated
Noise	<60dB
Cooling Method	air cooling
COMMUNICATION	
Internal Interface	RS485/CAN/USB/Dry contact
External Module(optional)	Wi-Fi/GPRS
CERTIFICATION	
CERTIFICATION	IEC62109-1、IEC62109-2
EMC	EN61000-6-1、EN61000-6-3

Three-Phase Hybrid Solar Storage Inverter

50KW/60KW



Max. AC grid-connected overload output of 1.1x.



Ultra-wide battery voltage range (150-850Vdc).



Supports diesel generator input.



4 independent MPPT trackers, compatible with high-power PV modules



DC arc fault detection



AC/DC Surge Protection (Level II).



100% three-phase unbalanced load.



IP65 waterproof protection degree.



DC over-sizing up to 1.6x



Battery charge/discharge current 80A*2.

Model	YQD500UH3	YQD550UH3	YQD600UH3
AC OUTPUT			
Rated Output Power	50000W	55000W	60000W
Max. Apparent Power	60000VA	60500VA	66000VA
Peak Power (off-grid)	1.6 times of rated power, 10s		1.5 times of rated power, 10s
Rated Output Voltage	277/480Vac (3L+N+PE)		
Rated Output Current	60.2Aac	66.2Aac	72.3Aac
Max. Output Current	72.3Aac	72.9Aac	79.5Aac
Load Motor Capacity	21HP	23HP	25HP
Power Factor	0.8 leading to 0.8 lagging		
THDI	<3% (of nominal power)		
Rated Frequency	50/60Hz ±0.3Hz		
Switch Time	10ms (typical value)		
Waveform	Pure sine wave		
BATTERY			
Battery Type	Lithium-ion Battery / Lead-acid Battery		
Number of Battery Input	2		
Battery Voltage Range	150-850Vdc		
Max. Charging/Discharging Current	160A (80A+80A)		
PV INPUT			
No. Of MPPT Trackers	4		
Max. PV Access Power	100kW	110kW	120kW
Max. PV Input Power	88000W	90000W	96000W
Rated PV Input Voltage	600Vdc		
Max. PV Input Voltage	1000Vdc		
Start-up Voltage	160Vdc		
Max. PV Input Current	40A*4		
Max. Short-circuit Current	60A*4		
MPPT Operating Voltage Range	150-850Vdc		
GRID/GENERATOR INPUT			
Rated Input Phase Voltage	277/480Vac (3L+N+PE)		
Rated Input Frequency	50/60Hz		
Max. Bypass Overload Current	200A		
EFFICIENCY			
MPPT Tracking Efficiency	>99%		
Max. Efficiency	97.6%		
European Efficiency	97%		
GENERAL DATA			
Parallel Capacity	1 ~ 9 Units		
Dimension	24.5" × 13.5" × 39.8"	Humidity	0 ~ 100%
Weight	216 lbs	Cooling Method	Heat sink + intelligent fan cooling
Protection Degree	IP65	Noise	<65dB
Temperature	-40 ~ 140°F , >113°F Derated	Communication	RS485 / CAN / USB / Dry Contact
Warranty	5 yeas	External Module	Wi-Fi/4G Stick (Optional)
Certificate	UL 1741-2021 (UL1741SB), CSA C22.2 No 107.1-16, IEEE 1547-2018 & 1547a-2020 & 1547.1-2020 (SRD V2.0), UL 1741 CRD-PCS, UL1699B, CEC, SGIP, CSIP		
PROTECTION			
PV Reverse Protection	Yes	Anti-Islanding Protection	Yes
Residual-Current Monitoring	Yes	Insulation Resistance Monitoring	Yes
Output Short-Circuit Protection	Yes	Output Over-Current Protection	Yes
Over-Voltage Protection	AC type III/DC type II	Surge Protection	AC type II/DC type II



Yunqida Solar Energy Storage System One-fits-all Solution



- One supplier provides complete system products
- One-stop after-sales service
- One solution for all scenarios



Welcome Partners Cooperation