

ESS 500W / 1000W ALL IN ONE

We Can Provide All Kinds Of Solar Solutions According To Your Demands.

10 YEARS
LIFE TIME

Affordable



CHEAPER, cheaper, cheaper
more than tubular battery
inverter system



More than 10 years life time,
buy 1 time get 10 years free
electricity



With 12V DC output and
USB charger



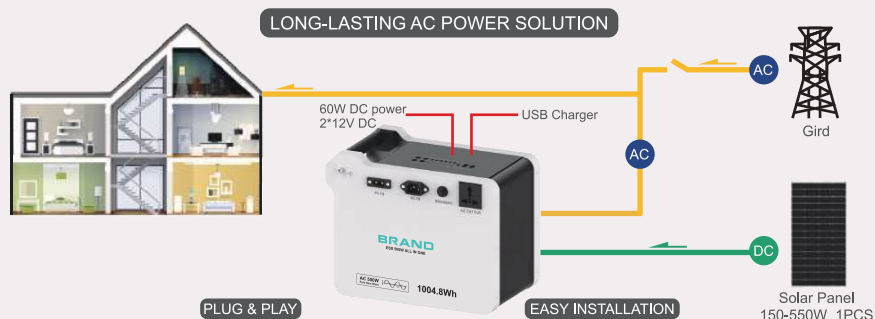
Can power both AC load and
DC load



With 80A AC charger and
80A MPPT Solar charger



All in one, build in
lithium battery



Contact Us

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Sedex | **SMETA**

SMETA 4-PILLAR CERTIFIED FACTORY

ISO9001: 2015

OEM & ODM Available



JQB POWER™

Home Battery Storage

All-in-One Backup Power Station



Shenzhen JQB Industrial Co., Ltd.

JQB-087-INV56-16KW

Home Battery Storage	5KW	16KW
Electrical Characteristic		
Battery Type (LiFePO4)	3.2V / 100Ah	3.2V / 314Ah
Battery Voltage Range (Vdc)	40V-60V	40V-60V
Maximum Charging Current (A)	100A	200A
Maximum Output Current (A)	100A	200A
Rated Charging Power (W)	5600W	5600W
Rated Discharging Power (W)	5600W	5600W
Battery Capacity (Wh)	5120Wh	16077Wh
PV Input		
Maximum Input Power (W)	5600W	
Start-up Voltage (Vdc)	120V	
MPPT Operating Voltage Range (Vdc)	120V-450V	
Maximum Input Voltage (Vdc)	500V	
Single MPPT Input Current (A)	20A	
Single MPPT Maximum Input Current (A)	27A	
Number of MPPT Input Channels	1	
AC Output		
	Grid-Tied	Off-Grid
Rated Output Power (W)	5600W	5600W
Maximum Output Power (W)	5600W	5600W
Rated Output Voltage (Vac)	220V/230V	220V/230V
Output Voltage Range (Vac)	170V-230V	170V-230V
Rated Operating Frequency (Hz)	50/60Hz ± 2%	50/60Hz ± 2%
Maximum Output Current (A)	24A	24A
Transfer Time (ms)	10ms	/
Power Factor	0.8 Leading - 0.8 Lagging	/
Total Harmonic Distortion (THD)	<3%	<3%
Mechanical		
Dimensions (mm)	550*280*811mm	550*280*987mm
Operating Temperature (°C)	-15°C to 55°C	
Waterproof Rating	IP41	
Battery Life	6000 Times, 0.5C, 90% DOD (25°C)	

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Home Battery Storage

All-in-One Backup Power Station



SPECIFICATION	MODEL	ESS 500W ALL IN ONE	ESS 1000W ALL IN ONE
Inverter / Charger			
Rated AC Output Power		500W	1000W
Output Voltage Waveform		Pure Sine Wave	Pure Sine Wave
Output Voltage		185~230VAC 50Hz	185~230VAC 50Hz
Low DC Warning Point		≤19%	≤19%
Low DC Cut-off Voltage		2.9Vdc	5.8Vdc
Low DC Warning Return Voltage		>20%	>20%
Charging Power(Utility and solar together)		500W Max.	800W Max.
Bulk Charging Voltage		3.6Vdc	7.2Vdc
Float Charging Voltage		3.5Vdc	7.0Vdc
AC Input			
Nominal Input Voltage		230Vac	230Vac
Low Loss Voltage		90Vac ± 7	90Vac ± 7
Low Loss Return Voltage		100Vac ± 7	100Vac ± 7
High Loss Voltage		280Vac ± 7	280Vac ± 7
High Loss Return Voltage		270Vac ± 7	270Vac ± 7
Max. AC Input Voltage		300Vac	300Vac
Nominal Input Frequency		45~65Hz	45~65Hz
AC Charging Power		500W Max.	800W Max.
Solar Input			
Nominal PV Voltage		30Vdc	38Vdc
PV Array MPPT Voltage Range		10Vdc~55Vdc	13Vdc~55Vdc
Max. PV Array Open Circuit Voltage		56Vdc	56Vdc
Solar Charging Power		300W Max.	550W Max.
Lithium Iron Battery			
Capacity		1004.8Wh	2009.6Wh
Nominal Battery Voltage		3.2Vdc	6.4Vdc
Typical Capacity		314Ah	314Ah*2
Max.Charge Current		220A	220A
Max.Discharge Current		220A	220A
Operation Voltage Range		2.9Vdc~3.6Vdc	5.8Vdc~7.2Vdc
Operation Temperature		-10°C~+50°C	
DC Output			
DC Output Power		DC12V 60W Max.	
DC Output Socket		1 pcs 5V1A USB charger, 2 pcs 12V2.5A DC Power JACK 5.5*2.1mm	
Display Function			
LED Indicator		4 pcs SOC indicators, 1 pcs working status indicators	
Protection			
Protection		Overcharge protection, Overdischarge protection, Overcurrent protection, Shortcircuit protection, Overtemperature protection	
Ambient			
Noise(dB)		<40dB (1 meter)	
working Temperature		-10°C~+50°C	
Humidity		5~95% (no condensation)	
Sea Level(m)		≤2000	
Dimension			
L×W×H (products size)		337*215*146mm	422*295*160mm
L×W×H (package size)		438*262*220mm	532*337*325mm
Weight(NW Kg)		10.8Kg	20.9Kg
Weight(GW Kg)		12.0kg	22.7Kg

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JQB POWER™

JQB-087-INV56-10KW

Specifications	
Rated Capacity	100Ah 51.2V (Single cell: 100Ah 3.2V LiFePO4 battery)
Rated Energy	5.12kWh
Discharge Cut-off Voltage	40V
Charge Cut-off Voltage	58.4V
Maximum Charge Current	100A
Maximum Discharge Current	100A
Cycle Life	8,000+ cycles @ 80% DOD
Inverter Rating	5kW
Configuration	16S1P
Working temperature	0-55°C
Storage temperature	-20-60°C
Dimension	700*460*260mm
Carton size	865*530*315mm
Net Weight	88kg
Warranty	5 years

Advantages

- Long Cycle life 80% DOD @ 25
 - Supports Bluetooth connection with mobile app
 - Support recharging by solar power, wall outlet and generator.
- It can maximize the use of solar energy to save your electricity costs, get power immediately during a power outage and reduce carbon footprint.