

ENERGY STORAGE HYBRID INVERTER

PS SERIES

ENERGY STORAGE INVERTER PS

3000W~6200W

FEATURES



-  Lithium Battery Auto-restart Function More Convenient for Lithium Battery Charging
-  Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/Battery Power Shares
-  Utility Charging Voltage/PV Charging Voltage Adjustable, Match Different Battery Charging Requirements
-  Slim Body, Convenient Installation And Transportation
-  Battery Reverse Connection Protection with Fuse Switch, Safer Installation
-  PF1.0, High Efficiency, Lower Consumption, Energy Conservation/Environmental Protection/Electricity Saving/Cost Saving
-  Support Working without Battery: Reduce Solar System Cost
-  Parallel Function Up to Maximum 9 Units: Enlarge More Loads
-  High Precision of Output Voltage, $\pm 5\%$, Take Care of Your Appliances
-  Communication Option: External WIFI, Supervise at Any Time
-  BMS function for lithium battery

APPLICATION



Commercial car park



Street lighting/monitoring



Family/greenhouse



Commercial/construction

PS SERIES

PARAMETERS

Model		PS3024SMH	PS4024SMH	PS5548SMH	PS6248SMH
Input Formation		L+N+PE			
AC Input		220/230/240VAC			
Input Voltage Range		90-280VAC±3V(Normal Mode)185-264VAC±3V (UPS Mode)			
Frequency		50/60Hz(Adaptive)			
Rated Power		3000W	4000W	5500W	6200W
Dual Output Power		3000W/3000W	4000W/4000W	5500W/5500W	6200W/6200W
Second Load Cut Off Voltage		22V		44V	
Second Load Return Voltage		26V		52V	
Output Voltage(AC)		208/220/230/240VAC±5%			
Output Frequency		50/60Hz±0.1%			
Output Wave		Pure Sine Wave			
Transfer Time(Adjustable)		10ms for Computer Equipment,20ms for Household Equipment			
Peak Power		6000VA	8000VA	11000VA	12400VA
Overload Ability		Battery Mode : 2ls@102%~110% load 10s@110%~130% load 3s@130%-150% load 400ms@>150% load			
Grid connected Operation	Output Voltage	208/220/230/240VAC±5% (Feed-in Grid Voltage Range:195~253VAC)			
	Grid Voltage Range	195-253VA			
	Grid Frequency Range	50/60Hz±0.1% (Feed-in Grid Frequency Range: 49-51+1Hz/59-61+1Hz)			
	Output Current	13.6A	17.4A	23.9A	26.9A
	Power Factor Range	>0.99			
Peak Efficiency(Battery Model)		>94%			
Rated Voltage		24VDC			48VDC
Constant Charging Voltage		28.2VDC			56.4Vdc
Float Charging Voltage		27VDC			54VDC
PV Charging Method		MPPT			
Max PV Input Power		5000W	6500W	8500W	8500W
PV Input Voltage Range		60~500VDC	60~500VDC	60~500VDC	60~500VDC
MAX PV Input Voltage		500VDC	500VDC	500VDC	500VDC
MAX PV Input Current		18A	27A	27A	27A
MAX PV Charge Current		100A	120A	100A	120A
MAX AC Charge Current		60A	100A	60A	100A
MAX Charge Current		100A	120A	100A	120A
LCD		Can display operating mode/load/input/output			
RS232		5PIN/Pitch2.54mm,Baud Rate 2400			
Expansion Slot Communication Interface		Lithium Battery BMS Communication Card,WIFI 2×5PIN/Pitch2.54mm			
Parallel Interface		Not Support Parallel		Support Parallel	
Operating Temperature		0℃~40℃			
Storage Temperature		-15℃~60℃			
Ork Altitude		No more than 1000m, If 1000m<,Rate power will lower, MAX 4000m, Refer			
Operating Environment Humidity		Non Condensing			
Noise		<50dB			
L*W*H(mm)		495*312*125mm			



ENERGY STORAGE INVERTER □A

8600W~11000W

FEATURES



-  Lithium Battery Auto-restart Function, More Convenient for Lithium Battery Charging
-  Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/BatteryPower Shares
-  Utility Charging Voltage/PV Charging Voltage Adjustable, Match Different Battery Charging Requirements
-  Slim Body, Convenient Installation And Transportation
-  Battery Reverse Connection Protection with Fuse Switch, Safer Installation
-  PF1.0, High Efficiency, Lower Consumption,Energy Conservation/Environmental Protection/Electricity Saving/Cost Saving
-  Support Working without Battery: Reduce Solar System Cost
-  Parallel Function Up to Maximum 9 Units: Enlarge More Loads
-  High Precision of Output Voltage,±5%, Take Care of Your Appliances
-  Communication Option: External WIFI, Supervise at Any Time
-  BMS function for lithium battery

APPLICATION



Island



Construction/housing



Factory/Meeting Center



Agriculture/animal husbandry

PS SERIES

PARAMETERS

Model		PS8648MH	PS11048MH
Nominal Voltage		220/230/240VAC	
Voltage Range		90-280VAC±3V (Inverter Mode) 170-280VAC±3V (UPS Mode)	
Frequency		50-60Hz Auto sensing	
Rated Output Power		8600W	11000W
Dual Output Power		8600W/8600W	11000W/11000W
Second Load Cut Off Voltage		44V	
Second Load Return Voltage		52V	
Output Voltage(AC)		220/230/240VAC±5%	
Output Frequency		50/60Hz±0.1%	
Waveform		Pure sine wave	
Transfer time(AC to DC)		10ms for Computer Equipment,20ms for Household Equipment	
Peak Power		17200VA	22000VA
Overload Capacity(Battery Mode)		21s@105%~150% Load 11s@150%~200% Load 400ms@>200% Load	
Grid connected Operation	Output Voltage	220/230/240VAC (Feed-in Grid Voltage Range:195~253VAC)	
	Grid Voltage Range	195-253VA	
	Grid Frequency Range	49-51±1Hz/59-61±1Hz (Feed-in Grid Frequency Range: 49-51+1Hz/59-61+1Hz)	
	Output Current	34.7A	47.8A
	Power Factor Range	>0.99	
Peak Efficiency(Battery Model)		98%	
Normal Voltage		48VDC	
Constant Charging Voltage		56.4VDC	
Float Charging Voltage		54VDC	
PV Charging Way		MPPT	
Max PV Input Power		2*7500W	2*7500W
PV Input Voltage Range		90-500VDC	
MAX PV Input Voltage		500VDC	500VDC
MAX PV Input Current		27/27A	27/27A
MAX PV Charge Current		150A	150A
MAX AC Charge Current		120A	150A
MAX Charge Current		150A	150A
LCD Display		AC input Voltage,AC input frequency,PV Voltage,PV Current,Output Voltage, Output Frequency, Battery Voltage,Load Current,etc.	
RS232		5PIN/Pitch2.0mm	
Expansion Slot Communication Interface		2×5PIN/Pitch2.54mm, Lithium battery BMS communication card、WIFI, etc	
Parallel Interface		Yes	
Operating Temperature		0~40℃	
Humidity		20%~95%(Non-condensing)	
Storage Temperature		-15~60℃	
Altitude		<1000m	
Noise(dB)		≤50db	