

## Technical Data

MODEL	J5500HP
Capacity	5.5KW
Parallel Capability	YES, 12units
<b>Input</b>	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280 VAC (For Personal Computers), 90-280 VAC (For Home Appliances)
Frequency	50/60HZ (Auto sensing)
<b>Output</b>	
Nominal Voltage	220/230VAC $\pm$ 5%
Surge Power	10000VA
Frequency	50Hz/60Hz
Waveform	Pure Sine Wave
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)
Peak Efficiency (PV to INV)	97%
Peak Efficiency (Battery to INV)	93%
overload Protection	5s@ $\geq$ 150% load; 10s 110%~150% load
Crest Factor	3:1
Admissible Power Factor	0.6~1(inductive or capacitive)
<b>Battery</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
Charging Method	CC/CV
<b>Solar Charge &amp; AC Charge</b>	
Solar Charge Type	MPPT
Max. PV Array Power	5500W
Max. PV Array Open Circuit Voltage	500 VDC
PV Array MPPT Voltage Range	120VDC~450 VDC
Maximum Solar Input Current	18A
Maximum Solar Charge Current	100A
Maximum AC Charge Current	60A
Maximum Charge Current	100A
Communication Interface	USB/RS232/Dry-contact
<b>Environment</b>	
Operating Temperature	(-10°C~50°C)
Storage Temperature	(-15°C~60°C)
Humidity	5% to 95% Relative Humidity (Non-condensing)

Model	MPS0030	MPS0050	MPS0100	MPS0150	MPS0250	MPS0500
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#### AC(grid-connected)

Apparent power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
Rated power	30kW	50kW	100kW	150kW	250kW	500kW
Rated voltage	400V					
Rated current	43A	72A	144A	217A	361A	722A
Voltage range	320V-460V					
Rated frequency	50/60Hz					
Frequency range	45-55/55-65Hz					
THDI	<3%					
PF	0.8lagging-0.8leading					
AC connection	3W+N+PE					
Transformer	Yes					

#### AC(off-grid)

Apparent power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
Rated power	30kW	50kW	100kW	150kW	250kW	500kW
Rated voltage	400V					
Rated current	43A	72A	144A	217A	361A	720A
THDU	≤ 2% linear					
Rated frequency	50/60Hz					
Overload capability	110%-10min/120%-1min					

#### PV

Max. PV open-circuit voltage	1000VDC					
MAX PV power	60/120KW		120/180/240KW		300/360KW	600/660/720KW
PV mppt voltage range	200V-850V					
MPPT number	1/2		2/3/4		5/6	10/11/12

#### Battery

Battery voltage range	150V-850V		420V-850V		500V-850V	
Battery full Load operating voltage range	200V-850V		420V-850V		500V-850V	

#### General data

Dimension(WXDxH)	800X800X1900mm		1200X800X2050mm		1800X800X2050mm	2800X800X2050mm
Weight	440kg	620kg	900kg	1250kg	1700kg	3520kg
Environmental temperature	-25°C--+55°C					
Relative humidity	0-95%non-condensing					
Protection degree	IP20					
Noise emission	75dB(A)@1m					
Maximum altitude	5000m(derate over 3000m)					
Cooling	Forced-air					

#### Communication

Display	Touch screen LCD					
Communication interface	RS485/CAN					