MS Series Portable Energy Storage Power Supply

300W/500W/1000W

MAIN FEATURES

- Wide input range for communication, pure sine wave output
- High charging/discharging energy efficiency and long cycle life of lithium batteries
- Intelligent air-cooled energy-saving design
- The panel display is simple and easy to operate
- Complete protection functions for overcurrent, overvoltage, overtemperature, short circuit, etc
- High energy density, small size/light weight

Product Specifications

Model		MS-30132-HV	MS-50132-HV	MS-10264-HV	MS-50132-LV	MS-10264-LV
AC Input	Rated Voltage	230VAC			120VAC	
	Voltage Range	90-280VAC			60-145VAC	
	Frequency Range	45-65Hz				
	Power Factor	>0.95				
AC Output	Rated Power	300W	500W	1000W	500W	1000W
	Voltage Range	230VAC±5V			120VAC±5V	
	Frequency Range	50Hz±0.5%			60Hz±0.5%	
	Power Factor	≥99%				
	Overload Capacity	CP300W,<170VAC shutdown	CP500W,<170VAC shutdown	CP1000W,<170VAC shutdown	CP500W,<85VAC shutdown	CP1000W,<85VAC shutdown
	Voltage Waveform	pure sine wave				
	Harmonic Distortion (THD)	<3% @ linear load <5% non-linear load				
	Convert Time	≤20ms				
	USB Output	5V/1A				
PV Input	Voltage Range	11-55VDC				
	Rated Power	300W(Max)		550W(Max)	300W(Max)	550W(Max)
	Maximum Current	10A(Max)		15A(Max)	10A(Max)	15A(Max)
	Maximum Charging Current	80A(Max)		100A(Max)	80A(Max)	100A(Max)
Battery Characteristics	Battery Type/Rated Voltage	Lithium iron battery/3.2V-206AH	Lithium iron battery/3.2V-314AH	Lithium iron battery/6.4V-314AH	Lithium iron battery/3.2V-314AH	Lithium iron battery/6.4V-314AH
	Battery capacity	659WH	1004WH	2009WH	1004WH	2009WH
	Voltage Range	3.0-3.65VDC		6.0-7.3VDC	3.0-3.65VDC	6.0-7.3VDC
	Maximum Charging Power	300W	500W	1000W	400W	1000W
	AC+PV Maximum Charging Current	1-100A(configurable)	1-140A(configurable)	1-160A(configurable)	1-140A(configurable)	1-160A(configurable)
Other	Communication And Monitoring	USB (serial interface)				
	Working Temperature Range	-10-40℃				
	Storage Temperature Range	-15-60℃				
	Humidity Range	5-95% (no condensation)				
	Noise	≤50dB				
	Working Altitude	Applicable for ≤ 3000m 10% reduction for every 1000m increase (over 3000m)				
Product Dimensions(length*width*height)mm		255*135*315	255*155*315	285*230*315	255*155*315	285*230*315
Packaging Dimensions(length*width*height)mm		325*200*350	315*220*345	355*305*350	315*220*345	355*305*350
Net Weight (KG)		7.9	10.7	19	10.7	19
Gross Weight(KG)		8.5	11.5	20	11.5	20