

# MPS

## Energy Storage Hybrid Inverter



MPP Trackers



Flexible Battery Type



Integrated EMS Function



CAN/RS485



Intelligent fault detection



IP20



Model	MPS0030	MPS0050	MPS0100	MPS0150	MPS0250	MPS0500
<b>AC (Grid-Connected)</b>						
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					
<b>AC (Off-Grid)</b>						
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					
<b>PV</b>						
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
<b>Battery</b>						
Battery Voltage Range	150V - 850V		420V - 850V		500V - 850V	
Battery Full Load Operating Voltage Range	200V - 850V		420V - 850V		500V - 850V	
<b>General Data</b>						
Dimensions (W x D x H)	800x800x1900mm		1200x800x2050mm		1800x800x2050mm	2800x800x2050mm
Weight	440kg	620kg	900kg	1250kg	1700kg	3520kg
Environmental Temperature	-25°C ~ +55°C					
Relative Humidity	0 - 9% non-condensing					
Protection Degree	IP20					
Noise Emission	75dB(A)@1m					
Max. Altitude	5000m (derate over 3000m)					
Cooling	Forced-Air					
<b>Communication</b>						
Display	Touch Screen LCD					
Communication Interface	RS485/CAN					