



MPS FOR RESIDENTIAL

Single Phase from 2kW Up to 20kW



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Power your home with a single phase Multi-Input Power System (MPS).

The system is available as a complete kit with solar panels, batteries, wind turbines and generators - you choose!

SINGLE PHASE MPS					
Mode	MPS-2KW11	MPS-5KW11	MPS-10KW11	MPS-15KW11	MPS-20KW11
Power	2000w	5000w	10kW	15kW	20kW
Input/output	1 phase +N+G	1 phase +N+G	1 phase +N+G	1 phase +N+G	1 phase +N+G
System voltage (VDC)	48VDC	48VDC	192VDC	192VDC	192VDC
Solar energy input voltage range (VDC)	75-150VDC	75-150VDC	230-320VDC	230-320VDC	230-320VDC
Maximum input current of solar energy (A)	30A	40A*2	60A	60A	150A
Solar power (max)	3KW	6KW	13KW	13KW	33KW
Battery capacity (standby time 2 hours)	200AH	400AH	150AH	250AH	350AH
Wind turbine voltage grade	Pending	Pending	No	No	No
Maximum power of wind turbine	Pending	Pending	No	No	No
Mains input range	165-265VAC	165-265VAC	230±20%	230±20%	230±20%
Input frequency range	45-65Hz	45-65Hz	50Hz±5%	50Hz±5%	50Hz±5%
Mains charging current	20A	36A	10A (Max)	15A (Max)	20A (Max)
Inverter output voltage	240VAC	240VAC	230±2%	230±2%	230±2%
Inverter output frequency	50Hz	50Hz	50Hz±5%	50Hz±5%	50Hz±5%
Inverter output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Mains voltage stabilizing function	No	No	No	No	No
Working mode	AC first / DC first / SAVER	AC first / DC first / SAVER	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output
Transfer time	<5ms	<5ms	≤10ms	≤10ms	≤10ms
Inverter output waveform distortion/THD	<5%	<5%	≤5%	≤5%	≤5%
Transfer efficiency (linear load)	>80%	>80%	≥85%	≥85%	≥85%