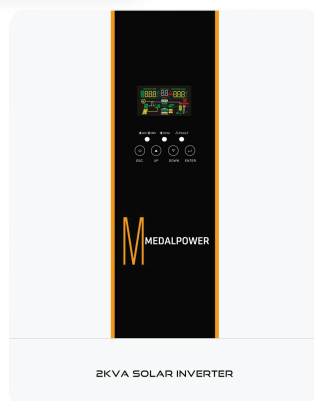# MEDALPOWER

2KVA SOLAR INVERTER

MPi-2000VA#12VPVT

Features:

>> Accept extra high PV input current and power.
>> Optional Dual output.
>> lithium battery activation start function with ac and solar mode
>> Parallel function to expansion power
>> Higher solar charging efficiency and battery protection
>> Pure sine wave output, adaptable to different loads
>> 500V high PV input
>> Optional WIFI function

Technical Specifications

Model		MPi-2000VA#12VPVT
Input	Phase	L+N+PE
	Nominal Voltage	208/220/230/240VAC
	Voltage Range	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
	Frequency Range	50Hz/60Hz(Adaptive)
Output	Rated Power	1600W
	Output Voltage(AC)	208/220/230/240VAC±5%
	On / Off grid	No
	Output Frequency	50/60Hz±0.1%
	Dual Output	No
	Waveform	Pure sine wave
	Transfer Time(Optional)	10ms for computer , 20ms for home appliances
	Peak power	3200VA
	Overload	Battery Mode： 11s@105%~150% Load; 2s@150%~200% Load; 400ms@>200% Load.
	Peak efficiency (battery mode)	>94%
Grid feed	Output Voltage(AC)	
	Grid voltage	
	Grid frequency	No
	Output Current	
	Power factor	
	Transfer efficiency(DC/AC)	
Battery	Rated voltage	12Vdc
	Constant voltage charging voltage (Optional)	14.1Vdc
	Floating charge voltage (Optional)	13.5Vdc
charger	PV charging method	MPPT
	PV Input current	13A
	PV max input power	2000W
	MPPT tracking range	30~500Vdc
	Max PV input voltage	500Vdc
	Max PV charging current	100A
	Max AC charging current	60A
	Max charging current	100A
Display	LCD display	Operating mode/load/input/output, etc.
Communication port	RS232	5PIN/Pitch2.0mm, baud rate 2400
	Expansion & configuration port	2×5PIN/Pitch2.54mm, lithium battery BMS communication card, WIFI card, dry contact card, etc.
	BMS protocol	Pylon tech, Pace, Voltronic, Growatt, Deye, Leoch, Sofar, Goodwe, etc.
	Parallel interface	No
Environmental parameters	Operating environment temperature	'-10~55℃
	Operating environment humidity	20%~95%（Non condensing）
	Storage temperature	-15~60℃
	Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to IEC62040
	noise	≤50db
	Dimention(mm)	482*271*176
	Weight	7.31kg