

Pure sine wave solar inverter (on/off Grid)
Output power factor 1.0
WIFI available for IOS and Android
One-key restoration to factory Settings
Built-in Lithium battery automatic activation
High PV input voltage range (90~ 500VDC)
Built-in anti-dust kit for harsh environment
Smart battery charge design to optimize battery life
Dual output
Touch button

Model	MPi10KW#48VPVN
Phase	1-Phase
Maximum PV Input Power	10000W
Rated Output Power	10000W/10000VA
Maximum Solar charging current	160A
Grid Tie Operation	
PV Input (DC)	
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
MPPT Voltage Range	90VDC-450VDC
Number of MPPT Trackers/Maximum input current	1/27A
Grid Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195-253VAC
Nominal Output Current	44.3A
Power Factor	>0.99
Feed-in Grid Frequency Range	49-51±1Hz
Efficiency	
Maximum Conversion Efficiency(DC/AC)	98%

Two load output power	
Full Load	10000W
Maximum Main Load	10000W
Maximum second load (battery mode)	3400W
Main load cut off voltage	44VDC
Main load Return Voltage	52VDC
Off-grid Operation	
AC Input	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	50A
Nominal operating frequency	50/60Hz
Surge power	20400W
PV Input (DC)	
Maximum DC Voltage	500VDC
MPPT Voltage Range	90VDC-450VDC
Number of MPPT Trackers/Maximum Input Current	1/27A
Battery Mode Output	
Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiency(DC to AC)	94%
Battery & Charger	
Nominal DC Voltage	48VDC
Maximum Solar Charging Current	160A
Maximum AC Charging Current	140A
General Physical	
Dimension x W x H(mm)	420*310*110
Cartoon Dimension X W XH(mm)	588*463*205
Net Weight(kgs)	14.5
Gross Weight(kgs)	16.0
Communication Port	RS232/WIFI/GPRS/LITHIUM BATTERY