

MPTS-5K SERIES INVERTER

HYBRID INVERTERS

- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Detachable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)



TECHNICAL SPECIFICATIONS

MODEL		MPTS-5K
Power		5000VA/5000W
Parallel capability		Up to 9 units
INPUT		
Voltage		230 VAC
Voltage range		110-280 VAC
Frequency range		50Hz/60Hz (auto sensing)
OUTPUT		
AC voltage regulation		230VAC $\pm$ 5%
Voltage THD		$\leq$ 3% for linear load, $\leq$ 8% for non-linear load
Overload		10000VA for 5 sec
Efficiency (peak)		93% at line mode, 90% at battery mode
Transfer time		0 ms
Waveform		Pure sine wave
BATTERY		
Battery voltage		48 VDC
Charge voltage		54 VDC
Overcharge protection		66 VDC
SOLAR CHARGER & AC CHARGER		
Solar charge type		MPPT
Max. PV array open circuit voltage		145 VDC
Max. PV power		4000 W
MPP range @ operating voltage		60 VDC ~115 VDC
Max. solar charge current		80 A
Max. AC charge current		60 A
Max. charge current		140A
PHYSICAL		
Dimension, HxWxD (mm)		525x303x140
Net weight (kg)		13,5
Communication		USB/RS232/RS485/Bluetooth/Dry-contact
ENVIRONMENT		
Humidity		5% - 95% (non-condensing)
Operating temperature		0°C - 55°C
Storage temperature		-15°C to 60°C