



Photovoltaic storage inverters

model	M4865E
Power	6.5KW

Functional Description

- pure sine wave inverter.
- Compatible with AC power or generator power.
- Configurable AC/Solar transmission priority via LCD settings.
- Command start function.
- Overload/over temperature/short circuit protection, built-in MPPT solar controller.
- Auto restart on AC recovery.
- RGB light status indication.





Model	M4865E
inverter output	
Rated output power	6.5KW
Max. peak power	13KW
Rated output voltage	single phase L+N+PE 230Vac
Carrying motor capacity	6HP
rated power	50/60HZ
Output Waveform	pure sine wave
switching time	10ms(typical value)
Number of parallel machines	not support
Battery	
Battery type	lead-acid battery/lithium ion battery/User-defined
Rated Battery Voltage	48V
Voltage range	40-60Vdc
Maximum photovoltaic charging current	100A
Maximum mains/generator charging current	100A
Maximum hybrid charging current	100A
Photovoltaic input	
Number of MPPT paths	1
Maximum Input Power	9000W
Maximum Input Current	28A
Maximum Open Circuit Voltage	500Vdc
MPPT working Voltage range	60-450Vdc
Mains/generator input	
Input Voltage range	UPS: 170-264Vac; APL: 90-280Vac
Input frequency range	50/60HZ
Bypass overload current	40A
Efficiency	
MPPT Tracking Efficiency	99.5%
Battery inverter efficiency	93%
Basic parameters	
Size	430*314*118mm
Weight	8.5kg
Protection level	IP21
environmental temperature	-20-55°C, > 40°C degraded to 80%,
Humidity range	20%-95% non-condensing
Cooling method	Built-in fan
Warranty Time	2 years
communication	
built-in interface	RS485/CAN/USB/dry contact