

TP

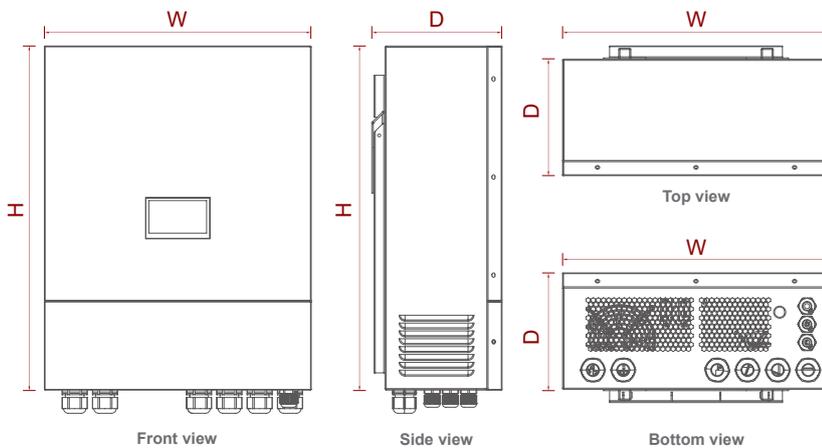
Hybrid Inverter Charger



• Features

- 3K/6K: 120V single phase 60Hz.
- 3K/6K/12K: 230V single phase 50Hz.
- Built-in EMS.
- MODBUS/RS485/CAN communication.
- 60A~240A AC charging current.
- Grid-battery hybrid power supply.
- IP54.
- Max. efficiency: 92%.

• Product Dimensions



Model	Size(W*D*H)
TP 3-6KW	440*195*570mm
TP 12KW	/

• Technical Parameter

TP Series Hybrid Inverter Charger						
Model	3048	3048E	6048	6048E	12048E	
Parameter Configuration						
Inverter Mode	Battery Rated Voltage	48V				
	Battery Voltage Range	40-58V				
	Rated Output Power	3000W	3000W	6000W	6000W	12000W
	Inverter Mode Efficiency	92%(Peak)				
	Rated Output Voltage	120Vac	230Vac	120Vac	230Vac	230Vac
	Rated Output Frequency	50/60Hz				
	Overload Capacity	(110%<load<125%) ±10%: Protection in 15 minutes; (125%<load<150%) ±10%: Post-60s protection; (load>150%) ±10%: Post-20s protection.				
Mains Mode	Charging Voltage Range	52-59Vdc				
	Max. Charging Current	60A	60A	120A	120A	240A
	Utility Input Voltage	120Vac	230Vac	120Vac	230Vac	230Vac
	Input Voltage Range	80/90-140Vac, 140/184-254Vac				
	AC Rated Frequency	50/60Hz				
	Frequency Range	47-55, 57-65/40-70Hz				
System Parameter						
System Parameter	Cooling Method	Forced air cooling				
	Noise Level	≤75dB				
	Temperature Range	-20°C ~ 40°C				
	Protection Level	IP54				
	Humidity Range	0-95%(Non-condensing)				
	Dimensions(W*D*H)	440*195*570(mm)				/
Other						
Other	Max. Efficiency	92%				
	Wiring Method	Single phase				
	Isolation Type	Built-in transformer isolation				
	Protection Functions	AC Over/Under Voltage, Over-Temperature, Frequency Anomaly, Over-Current, Fan Fault, Battery Over/Under Voltage, Battery Over-Temperature				
	Display	LCD+APP				
	Communication Interface	RS485(MPPT), CAN(BAT)				
	Communication Settings	Adjustable parameters can be configured via the LCD screen, PC-based software, or mobile APP				
	Hybrid Power Supply	In utility mode, the battery can supply 95% of the load's energy demand				