

Hybrid Solar Inverter 3.6KW

Model: MR-SPF3.6K-LP1-TL20E



FEATURES

- Rated power 3.6kW, power factor 1
- MPPT ranges 40V~450V, 500Voc
- High frequency inverter with small size and light weight
- Pure sine wave AC output
- Solar and utility grid can power loads at the same time
- With CAN/RS485 for BMS communication
- WIFI module for monitoring
- Feed-in to grid function

APPLICATION SCENARIOS


Villa


Home


Manor


Small Farm

SOLAR SYSTEM CONNECTION



SPECIFICATIONS

MODEL	**MR-SPF3.6K-LP1-TL20E**
RATED POWER	3.6kVA / 3.6kW
INPUT	
Nominal Voltage	208/220/230/240VAC
Voltage Range	170 – 264VAC (UPS Mode); 90 – 280VAC (APP/GEN Mode)
Frequency Range	50/60Hz ±10Hz (Auto sensing)
OUTPUT	
Nominal Output Voltage	208/220/230/240VAC ± 5%
Output Power	3.6kW
Surge Power	2 times of rated power
Nominal Output Frequency	50/60Hz ± 0.1% (Batt. Mode)
Efficiency	92% (Max.)
Transfer Time	10ms (UPS/APP Mode); 20ms (GEN Mode)
BATTERY	
Nominal Battery Voltage	24VDC
Battery Voltage Range	20VDC-30.5VDC
Battery Type	Lead-acid / Lithium / User-defined
AC CHARGING & SOLAR CHARGING	
Solar Charger Type	MPPT
Max. PV Input Power	5kW
Max. PV Input Current	18A
MPPT Voltage Range	40 – 450VDC (Min. 60VDC without battery connected)
Max. PV Open Circuit Voltage	500VDC
Max. Solar Charging Current	100A
Max. AC Charging Current	100A
Max. Hybrid Charging Current	100A
PHYSICAL & COMMUNICATION	
Dimension, W x H x D (mm)	284 × 420 × 104
Net Weight (kg)	6.4
Communication Interface	BMS(485/CAN), Dry-contact, WiFi Module
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Specifications are subject to change without notifications and all the product diagrams are for reference only