Inverter series



SUN SERIES

6-15 kW Three-Phase Hybrid Inverter

1. **Three-Phase Output**
   380/400 VAC for three-phase residential and light commercial systems.
2. **Hybrid Operation**
   Supports on-grid and off-grid energy management.
3. **High PV Voltage**
   1,000 V maximum DC input and 200-800 V MPPT range.
4. **48 V Battery System**
   Compatible with lithium or lead-acid batteries.
5. **High Conversion Efficiency**
   Up to 98% maximum efficiency.
6. **Outdoor-Ready Enclosure**
   IP66 protection class stated in the supplied datasheet.

Parameters

Items	SUN-6K	SUN-7K	SUN-8K	SUN-10K	SUN-12K	SUN-15K
Model	SUN-6KS48P3	SUN-7KS48P3	SUN-8KS48P3	SUN-10KS48P3	SUN-12KS48P3	SUN-15KS48P3
Max. DC input power	12,000 W	14,000 W	16,000 W	20,000 W	24,000 W	30,000 W
Max. DC input voltage	1,000 V	1,000 V	1,000 V	1,000 V	1,000 V	1,000 V
MPPT operating range	200-800 V	200-800 V	200-800 V	200-800 V	200-800 V	200-800 V
Starting voltage	150 V	150 V	150 V	150 V	150 V	150 V
Max. input current	18 A	18 A	18/18 A	36/18 A	36/18 A	36/20 A
MPPT number	1	1	2	2/3	2/3	2/3
Battery voltage	48 V	48 V	48 V	48 V	48 V	48 V
Max. charge/discharge	125 A	150 A	190 A	210 A	250 A	280 A
On-grid max. apparent	6,600 W	7,700 W	8,800 W	11,000 W	13,200 W	16,500 W
Off-grid rated apparent	6,600 W	7,700 W	8,000 W	10,000 W	12,000 W	15,000 W
Max. output current	10 A	11.6 A	13.3 A	16.7 A	20 A	24 A
Dimensions (W x H x D)	475 x 683 x 256 mm	475 x 683 x 256 mm	475 x 683 x 256 mm	475 x 683 x 256 mm	475 x 683 x 256 mm	475 x 750 x 256 mm
Net weight	38 kg	38 kg	38 kg	38 kg	38 kg	43 kg

Common AC output: 380/400 VAC, 50/60 Hz; power factor 1 (-0.8 leading to +0.8 lagging)

Off-grid overload: above 200% for 15 seconds; battery type: lithium or lead-acid

Environment: -25°C to 60°C operation; 0-95% RH; altitude up to 4,000 m

Cooling: intelligent forced air cooling; noise below 55 dB; IP66 enclosure

Specifications are based on the supplied SUN-6K-15KS48P3 datasheet.

Final model configuration is subject to confirmation in the sales contract.