

Grid-Tied Solar Inverter **10KW - 15KW - 25KW**

IP

Ingress
Protection

6

Solids
(Dust Protection)

6

Liquids
(Water etc)



Superior Performance

- Maximum efficiency of 98.3%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids
- Compact for easy installation



HIGH RELIABILITY

- IP66 protection level for outdoor installation
- Surge Arrester DC type III / AC type III
- Insulation Detection, Leakage current protection, Anti-Islanding protection, AC over current protection, AC short circuit protection, DC reverse protection



INTELLIGENT MAINTENANCE

- Built-in Bluetooth and Wifi Dongle
- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations

5 YEAR WARRANTY
Unlimited Parts / Replacement

Model	SM-10K-6G3P	SM-15K-6G3P	SM-25K-6G3P
Efficiency			
Max. Efficiency	98.2%	98.3%	98.4%
European Efficiency	97.8%		98.0%
Input(PV)			
Max. Input Voltage	1100V		
Max. PV Configuration (STC)	150%		
Rated Input Voltage	620V		
Max. Input Current	2x15A	15A+2x15A	2x30A
Max.Short Circuit Current	2x20A	20A+2x20A	2x40A
Start Input Voltage	180V		
MPPT Operating Voltage Range	160V-1000V		
Max. Number of PV Strings	2 (1/1)	3 (1/2)	4 (2/2)
No. of MPPTs	2		
Output(Grid)			
Rated AC Active Power	10,000W	15,000W	25,000W
Max. AC Apparent Power	11,200VA	16,700VA	27,500VA
Max. AC Output Current	3x17A	3x25.3A	3x39.8A
Rated AC Voltage	380V / 400V / 415V, 3W+N+PE		
AC Voltage Range	260V-510V (Adjustable)		
Rated Grid Frequency	50Hz / 60Hz		
Grid Frequency Range	45Hz-55Hz / 55Hz-65Hz (Adjustable)		
THDI	<3%@Rated Power		
DC Current Injection	<0.5%@Rated Current		
Protection			
DC Switch	Yes		
Anti-Islanding Protection	Yes		
AC Overcurrent Protection	Yes		
AC Short Circuit Protection	Yes		
DC Reverse Protection	Yes		
Surge Arrester	DC Type III / AC Type III		
Insulation Detection	Yes		
Leakage Current Protection	Yes		
General			
Topology	Transformerless		
IP Rating	IP66		
Night Self Consumption	<1W (Standard)		
Cooling	Natural cooling	Fan cooling	
Operating Temperature Range	-25° - 60°		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Dimensions (W*H*D)	398mm*460mm*190mm		
Weight	16.8Kg	18.7Kg	20.3Kg
HMI & COM			
Display	Wireless (Bluetooth) & APP +LED + LCD		
Communication	RS485, WiFi (Optional GPRS / LAN)		
Certification			
Safety	IEC62109-1, IEC62109-2		
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, RD 1699/661 & 413, IEC 61727, 62116, 61683, AS4777.2		
Warranty	5 Years (10 Year Optional)		

Remarks: ①②The range of output voltage and frequency may vary depending on different grid codes. Specifications are subject to change without advanced notice.