

Grid-Tied Solar Inverter
10KW - 15KW - 20KW - 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-20K-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	20,000W	25,000W
Max. AC Apparent Power	11,200VA	16,700VA	22,000VA	27,500VA
Max. AC Output Current	3x17A	3x25.3A	3x33.7A	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	20.1Kg	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.