

Technical parameters of 7-10 KW single phase PV grid-connected inverter

GENERAL DATA	
Dimensions(WxHxD) [mm]	385*480*170
Cooling concept	Natural
Degree of protection(according to IEC60529)	IP65
Topology	Transformerless
Over Voltage category	III(AC side), II(PV side)
Noise emission(typical)[dB]	<30dB
Operating temperature range[°C]	-20..... +60°C (derating at +45°C)
Storage temperature range[°C]	-40..... +70°C
Humidity	0-100% (no condensation)
Self consumption(night) [W]	<1W
Monitoring Module (optional)	External
Communication &	Meter,CT,DRM, USB update, RS485
Display	LCD screen,touch key,App,Web site

Product model	SI1000-7K-S3	SI1000-8K-S3	SI1000-10K-S3
INPUT			
PV			
Maximum DC input power	10500W	12000W	15000W
Maximum DC input voltage	600V		
Rated DC working voltage	360V		
Maximum input current	14A / 14A/14A		
Maximum short-circuit current	18A/18A		
MPPT voltage range	80-550 Vdc		
Full-load MPPT voltage	225-550 Vdc	280-550 Vdc	
Starting voltage	120V		
Number of MPPT channels	3		
Number of MPPT input channels per channel	1		
OUTPUT			
Rated output power	7000W	8000W	10000W
Maximum output power	7700VA	8800VA	10500VA
Rated grid voltage	L/N/PE,220V/230V/240V		
Rated grid frequency	50/60Hz , ±5Hz		
Rated current	30.4A	34.8A	43.5A
Maximum output current	33.5A	38.3A	45.7A
Power factor	1 (0.8 lead ... 0.8 hysteresis adjustable)		
Current total harmonics	<3%		