

Technical parameters of 6-25 KW three phase PV grid-connected inverter

Product model	SI1000-6K-T2	SI1000-8K-T2	SI1000-10K-T2	SI1000-12K-T2	SI1000-15K-T2	SI1000-17K-T2	SI1000-20K-T2	SI1000-23K-T2	SI1000-25K-T2
Input parameters									
PV									
Maximum DC input power	9000W	12000W	15000W	18000W	22500W	25500W	30000W	34500W	37500W
Maximum DC input voltage	1100V	1100V	1100V	1100V	1100V	1100V	1100V	1100V	1100V
Rated DC working voltage	600V	600V	600V	600V	600V	600V	600V	600V	600V
Maximum input current	12.5A / 12.5A	12.5A / 12.5A	12.5A / 12.5A	12.5A / 12.5A	25A / 25A	25A / 25A	25A / 25A	25A / 25A	25A / 25A
Maximum short-circuit current	16.25A/16.25A	16.25A/16.25A	16.25A/16.25A	16.25A/16.25A	32.5A/32.5A	32.5A/32.5A	32.5A/32.5A	32.5A/32.5A	32.5A/32.5A
MPPT voltage range	180-850 Vdc	180-850 Vdc	180-850 Vdc	180-850 Vdc	180-850 Vdc	180-850 Vdc	180-850 Vdc	180-850 Vdc	180-850 Vdc
Full-load MPPT voltage range	210-850 Vdc	330-850 Vdc	410-850 Vdc	490-850 Vdc	410-850 Vdc	350-850 Vdc	480-850 Vdc	500-850 Vdc	500-850 Vdc
Starting voltage	180V	180V	180V	180V	180V	180V	180V	180V	180V
Number of MPPT channels	2	2	2	2	2	2	2	2	2
Number of MPPT input channels per channel	1+1	1+1	1+1	1+1	2+2	2+2	2+2	2+2	2+2
Output parameters									
Rated output power	6000W	8000W	10000W	12000W	15000W	17000W	20000W	23000W	25000W
Maximum output power	6600VA	8800VA	11000VA	13200VA	16500VA	18700VA	22000VA	25300VA	27500VA
Rated grid voltage	3/N/PE,220V/380V,230V/400V								
Rated grid frequency	50/60Hz , ±5Hz								
Rated current	8.7 A	11.6 A	14.5 A	17.4 A	21.7 A	24.6 A	29.0 A	33.3 A	36.2 A
Maximum output current	9.6 A	12.8 A	15.9 A	19.1 A	23.9 A	27.1 A	31.9 A	36.7 A	39.9 A
Power factor	1 (0.8 lead ... 0.8 hysteresis adjustable)								
Current total harmonics	<3%								