

0.4KV Three Phase Grid-connected PV Inverter SI-4/12K-T2



- LED display, touch button design, direct data view
- Maximum efficiency 98.2%, dual MPPT, more power generation
- Photovoltaic input up to 1100V
- 14A string current, suitable for high current high efficiency module applications
- 150% DC over configuration, 110% AC overload output
- Intelligent fan cooling
- Highly protective design of the shell, resistant to heat and corrosion, 25 years without rusting
- Intelligent remote monitoring
- Support anti-backflow function

Technical Data	SI-3K-T2	SI-4K-T2	SI-5K-T2	SI-6K-T2	SI-8K-T2	SI-10K-T2	SI-12K-T2
Input Data							
Max. DC input power	3900W	5200W	6500W	7800W	10400W	13000W	15600W
Max. DC input voltage	1100V						
Operation voltage range	200V-1000V						
Number of independent MPPT/ strings per MPPT	2/1						
MPPT max. Current	14A/14A						
AC Output Data							
Rated output power	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Max. output power	3300W	4400W	5500W	6600W	8800W	11000W	13200W
Rated output voltage	400V/320V-480V						
Rated output frequency	50Hz,60Hz/±5Hz						
Rated output current	4.3A	5.7A	7.2A	8.7A	11.6A	14.5A	17.5A
Max. output current	4.8A	6.5A	8A	10A	13A	16A	19A
Power factor	-0.8~+0.8(adjustable)						
THDi	<3%(Nominal Output)						
Grid system pattern	3W+N+PE						
Efficiency							
Max. efficiency	98.2%						
Europe efficiency	98%						
Protection							
Input DC switch	Yes						
Input over current protection	Yes						
DC reverse polarity protection	Yes						
Output over voltage protection	Yes						
Output over current protection	Yes						
Anti islanding protection	Yes						
AC surge protection	Yes						
DC surge protection	Yes						
Insulation impedance protection	Yes						
RCD detection	Yes						
General Data							
Dimensions (L/W/H) in mm	403/192/360						
Weight	15kg						
Noise	<30dB						
Operation temperature range	-25°C~+60°C						
Heat dissipation mode	Natural						
IP Class	IP 65						
Maximum altitude	4000m						
Self-Consumption night	<1w						
Topology	Transformerless						
Features							
LCD display	Yes						
Communication interface	WIFI/4G/GPRS/RS485(optional)						
Warranty	5 years (standard)						
Standards	IS 16221, IEC 62109, IS 16169, IEC 62116, IEC 61683, IEC 61727, IEC 60068, IEC 61000, EN 50549, NB/T32004						

0.4KV Three Phase Grid-connected PV Inverter SI-13/30K-T2



- LED display, touch button design, direct data view
- Maximum efficiency 98.5%, dual MPPT, more power generation
- Photovoltaic input up to 1100V
- 14A string current, suitable for high current high efficiency module applications
- 150% DC over configuration, 110% AC overload output
- Intelligent fan cooling
- Highly protective design of the shell, resistant to heat and corrosion, 25 years without rusting
- Intelligent remote monitoring
- Support anti-backflow function

Technical Data	SI-13K-T2	SI-15K-T2	SI-17K-T2	SI-20K-T2	SI-22K-T2	SI-23K-T2	SI-25K-T2	SI-27K-T2	SI-30K-T2
Input Data									
Max. DC input power	17000W	19500W	22000W	26000W	28600W	29900W	32500W	35000W	39000W
Max. DC input voltage	1100V				1100V				
Operation voltage range	200V-1000V				200V-1000V				
Number of independent MPPT/strings per MPPT	2/1+2	2/1+2	2/1+2	2/2+2	2/2+2	2/2+2	2/2+2	2/2+3	2/2+3
MPPT max. Current	14A/28A	14A/28A	14A/28A	28A/28A	28A/28A	28A/28A	28A/28A	28A/42A	28A/42A
AC Output Data									
Rated output power	13000W	15000W	17000W	20000W	22000W	23000W	25000W	27000W	30000W
Max. output power	14300W	16500W	18700W	22000W	24000W	25300W	27500W	29700W	33000W
Rated output voltage	400V/320V-480V								
Rated output frequency	50Hz,60Hz/±5Hz								
Rated output current	19A	22A	25A	29A	32A	34A	36A	40A	43.5A
Max. output current	21A	24A	27A	32A	35A	37A	40A	43A	48A
Power factor	-0.8~+0.8(adjustable)								
THDi	<3%(Nominal Output)								
Grid system pattern	3W+N+PE								
Efficiency									
Max. efficiency	98.5%								
Europe efficiency	98.2%								
Protection									
Input DC switch	Yes								
Input over current protection	Yes								
DC reverse polarity protection	Yes								
Output over voltage protection	Yes								
Output over current protection	Yes								
Anti islanding protection	Yes								
AC surge protection	Yes								
DC surge protection	Yes								
Insulation impedance protection	Yes								
RCD detection	Yes								
General Data									
Dimensions (L/W/H) in mm	403/236/360								
Weight	18.5kg				20.5kg			22kg	
Noise	<30dB								
Operation temperature range	-25°C~+60°C								
Heat dissipation mode	Smart cooling								
IP Class	IP 65								
Maximum altitude	4000m								
Self-Consumption night	<1w								
Topology	Transformerless								
Features									
LCD display	Yes								
Communication interface	WIFI/GPRS/RS485(optional)								
Warranty	5 years (standard)								
Standards	IEC 61683, IEC 61727, IEC 62116, IEC 60068, EN 62109, IEC 61000, EN 50549, NB/T32004								