

Three Phase Grid-connected PV Inverter

SI-4K-T2/SI-5K-T2/SI-6K-T2/SI-8K-T2/SI-10K-T2/SI-12K-T2



Stable

The chassis adopts high protection design, prolong life time, performance well in extreme environment.



Safe

IP 65 protection for indoor and outdoor installation. AC and DC surge protection guarantee system safety.



Flexible

Transformer-less, smaller and lighter. Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%.



Reliable

Key components are from first rank brand supplier worldwide. R&D team are experienced experts in string inverter circle, proven technology create reliable quality.



Smart

One-button safety setting, easy configuration of all parameters. Built-in independence RTC chip data storage of 25 years.



Easy use

Integrated RS232/WIFI/GPRS, RS485 port, for improved communication. Free monitoring anytime anywhere. Local and remote intelligent maintenance by PC and Apps.

Technical Data	SI-4K-T2	SI-5K-T2	SI-6K-T2	SI-8K-T2	SI-10K-T2	SI-12K-T2
Input Data						
Max. DC input power	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			
Max.Short Circuit Current per MPPT			18A/18A			
AC Output Data						
Rated output power	4000W	5000W	6000W	8000W	10000W	12000W
Max. output power	4400W	5500W	6600W	8800W	11000W	13200W
Rated output voltage			380V,400V/ $\pm 20\%$			
Rated output frequency			50Hz,60Hz/ $\pm 5\%$			
Rated output current	5.7A	7.2A	8.7A	11.6A	14.5A	17.5A
Max. output current	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(W/L/H)in mm			403/360/192			
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			IEC62109-1,IEC62109-2,NB/T32004,VDE-AR-N4105,EN50549,AS 4777			