



Power the World with Sunlight



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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.



Flexible

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



Smart

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



Safe

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



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.



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	6800W	8800W	11000W	13200W
Rated output voltage	380V,400V/±20%					
Rated output frequency	50Hz,60Hz/±5Hz					
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					