

Three Phase Grid-connected PV Inverter

SI-22K-T2/SI-25K-T2/SI-27K-T2/SI-30K-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-22K-T2	SI-25K-T2	SI-27K-T2	SI-30K-T2
Input Data				
Max. DC input power	28600W	32500W	35000W	39000W
Max. DC input voltage	1100V			
Operation voltage range	200V-1000V			
Number of independent MPPT / strings per MPPT	2/2+2	2/2+2	2/2+3	2/2+3
MPPT max. current	28A/28A	28A/28A	28A/42A	28A/42A
Max.Short Circuit Current per MPPT	36A/36A		36A/54A	
AC Output Data				
Rated output power	22000W	25000W	27000W	30000W
Max. output power	24000W	27500W	29700W	33000W
Rated output voltage	380V,400V/±20%			
Rated output frequency	50Hz,60Hz/±5Hz			
Rated output current	32A	36A	40A	43.5A
Max. output current	35A	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(W/L/H)in mm	403/360/238			
Weight	20.5kg		22kg	
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/4G/GPRS/RS485(optional)			
Warranty	5 years (standard)			
Standards	IEC62109-1,IEC62109-2,NB/T32004,VDE-AR-N4105,EN50549,AS 4777			