

## Three Phase Grid-connected PV Inverter

SI-13K-T2/SI-15K-T2/SI-17K-T2/SI-20K-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-13K-T2	SI-15K-T2	SI-17K-T2	SI-20K-T2
<b>Input Data</b>				
Max. DC input power	17000W	19500W	22000W	26000W
Max. DC input voltage	1100V			
Operation voltage range	200V-1000V			
Number of independent MPPT / strings per MPPT	2/1+2	2/1+2	2/1+2	2/2+2
MPPT max. current	14A/28A	14A/28A	14A/28A	28A/28A
Max.Short Circuit Current per MPPT	18A/36A			36A/36A
<b>AC Output Data</b>				
Rated output power	13000W	15000W	17000W	20000W
Max. output power	14300W	16500W	18700W	22000W
Rated output voltage	380V,400V/±20%			
Rated output frequency	50Hz,60Hz/±5Hz			
Rated output current	19A	22A	25A	29A
Max. output current	21A	24A	27A	32A
Power factor	-0.8~+0.8(adjustable)			
THDi	<3%(Nominal Output)			
Grid system pattern	3W+N+PE			
<b>Efficiency</b>				
Max. efficiency	98.5%			
Europe efficiency	98.2%			
<b>Protection</b>				
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			
<b>General Data</b>				
Dimensions(W/L/H)in mm	403/360/238			
Weight	18.5kg			
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			
<b>Features</b>				
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			