

Three Phase Grid-connected PV Inverter

SI-33K-T2/SI-36K-T2/SI-40K-T2/SI-45K-T2/SI-50K-T2/SI-60K-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-33K-T2	SI-36K-T2	SI-40K-T2	SI-45K-T2	SI-50K-T2	SI-60K-T2
Input Data						
Max. DC input power	43000W	47000W	52000W	60000W	65000W	78000W
Max. DC input voltage	1100V					
Operation voltage range	200V-1000V					
Number of independent MPPT / strings per MPPT	2/3	2/3	2/4	3/3	3/3	3/4
MPPT max. current	45A*2	45A*2	52A*2	45A*3	45A*3	52A*3
Max.Short Circuit Current per MPPT	54A*2	54A*2	72A*2	54A*3	54A*3	72A*3
AC Output Data						
Rated output power	33000W	36000W	40000W	45000W	50000W	60000W
Max. output power	36000W	40000W	44000W	50000W	55000W	66000W
Rated output voltage	380V,400V/±20%					
Rated output frequency	50Hz,60Hz/±5Hz					
Rated output current	48A	52A	58A	65A	72A	87A
Max. output current	52A	58A	64A	72A	80A	95A
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	433/498/287					
Weight	38kg			40kg		
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) / 20 years (optional & negotiable)					
Standards	IEC62109-1,IEC62109-2,NB/T32004,VDE-AR-N4105,EN50549,AS 4777					