

## 0.4KV Three Phase Grid-connected PV Inverter SI-33/60K-T2



- LED display, touch button design, direct data view
- Maximum efficiency 98.5%, more power generation
- 14A string current, suitable for high current high efficiency module applications
- Optimized global MPPT algorithm for more efficient power generation
- 150% DC over configuration, wide DC voltage
- Intelligent remote monitoring
- Support anti-backflow function
- Small, light, fast & easy installation

Technical Data	SI-33K-T2	SI-36K-T2	SI-40K-T2	SI-45K-T2	SI-50K-T2	SI-60K-T2
<b>Input Data</b>						
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		2/4		3/3	3/4
MPPT max. Current	45A*2		52A*2		45A*3	52A*3
<b>AC Output Data</b>						
Rated output power	33000W	36000W	40000W	45000W	50000W	60000W
Max. output power	36000W	40000W	44000W	50000W	55000W	66000W
Rated output voltage	400V/320V-480V					
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					
<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	433/498/287					
Weight	38kg				40kg	
Noise	<30dB					
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/GPRS/RS485(optional)					
Warranty	5 years (standard)					
Standards	IEC62109-1,IEC62109-2,NB/T32004,VDE-AR-N4105,EN50549,AS 4777					