



3 PHASE ON GRID

Solar Inverter

SI-50K-T2 / SI-60K-T2 / SI-80K-T2



KEY SALIENT FEATURES



STABLE

The chassis adopts high protection design, prolong life time. performance well in extreme conditions.



SMART

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



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 experiences experts in string inverter circle, proven technology create reliable quality



SAFE

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



EASY USE

Integrated RS232/WIFI/GPRS, RS485 port, for improved communication. Free monitoring anytime anywhere. Local and remote intelligent maintenance by PC and Apps.

Wireless Communication Module (WIFI/GPRS)



Wi-Fi Dongle

General Specification

Rated Voltage
Max. Current
Operation Environment Temperature
IP Class
External Interface
Dimension (W/L/H) in mm
Weight

DC4.7V-15V
500mA(DC 5V)
-35°C~+80°C
IP 65
Db9, used for communicatoon & Power Supply
31/73/132
35g

Communication Specification

Local Commucincation Interface
Public Network Access Mode

RS485/Rs232
WIFI/GPRS



*Terms & Condition Applies

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PRODUCT DATA SHEET

MODELS	SI-50K	SI-60K	SI-80K
Input Data			
Max. DC input power	65000W	80000W	110000W
Max. DC input voltage	1100V		
Operation voltage range	200V-1000V		
Number of independent MPPT / strings per MPPT	3/3	3/4	4/4
MPPT max. current	40A*3	52A*3	52A*4
AC Output Data			
Rated output power	50000W	60000W	80000W
Max. output power	55000W	66000W	88000W
Rated output voltage	400V/320V/480V		
Rated output frequency	50Hz,60Hz/±5Hz		
Rated output current	72A	87A	115A
Max, output current	80A	95A	128A
Power factor	-0.8~+0,8(adjustable)		
THDI	3%(Nominal Ouut)		
Grid system pattern	3W+N+PE		
Efficiency			
Max. efficiency	99%		
Europe efficiency	98.5%		
Protection			
Input DC switch	Yes		
Input over curent 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	55kg	55kg	68kg
Noise	<30dB		
Operation temperature range	-25°C~+60°C		
Heat dissipation mode	Smart Cooling		
IP Class	IP65		
Maximum altitude	4000m		
Self-Consumption night	<1w		
Topology	Transformerless		
Features			
LCD display	Yes		
Communication interface	WIFI/GPRS/RS485 (Optional)		
Warranty	10 years* (5 years product & 5 year service)		
Standards	IEC62109-1, IEC62109-2, NB/T32004, VDE-AR-N4105, EN50549, AS 4777		

Note: Product specifications are subject to change without further notice