

Three Phase Grid-connected PV Inverter

SI 70K/SI 80K

**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 70K	SI 80K
Input Data		
Max. DC input power	85000W	100000W
Max. DC input voltage	1100V	
Operation voltage range	200V-1000V	
Number of independent MPPT / strings per MPPT	4/3	4/4
MPPT max. current	39A*4	52A*4
Max.Short Circuit Current per MPPT	48A*4	65A*4
AC Output Data		
Rated output power	70000W	80000W
Max. output power	77000W	88000W
Rated output voltage	380V,400V/±20%	
Rated output frequency	50Hz,60Hz/±5Hz	
Rated output current	101A	115A
Max. output current	111A	128A
Power factor	-0.8~+0.8(adjustable)	
THDi	<3%(Nominal Output)	
Grid system pattern	3W+N+PE	
Efficiency		
Max. efficiency	99%	
Europe efficiency	98.5%	
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	690/640/296	
Weight	55kg	68kg
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	