

0.4KV Three Phase Grid-connected PV Inverter SI 70/80K



- LED display, touch button design, direct data view
- Maximum efficiency 99%, Europe efficiency 98.5%
- With 4-MPPT, support series-parallel connection
- 13A string current, suitable for high current high efficiency module applications
- 150% DC over configuration, 110% AC overload output
- IP65 protection, AC and DC surge protection guarantee system safety
- Intelligent remote monitoring
- Standby power consumption less than 1W
- Support anti-backflow function

Technical Data	SI 70 K	SI 80 K
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
AC Output Data		
Rated output power	70000W	80000W
Max. output power	77000W	88000W
Rated output voltage	400V/320V-480V	
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	
String Monitoring	Optional	
General Data		
Dimensions(W/L/H)in mm	690/640/296	
Weight	68kg	
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	
Features		
LCD display	Yes	
Communication interface	WIFI/GPRS/RS485	
Warranty	5 years (standard)/20 years(optional)	
Standards	NB/T32004,VDE-AR-N4105,EN50549,AS 4777	