

Three Phase Grid-connected PV Inverter

SI 25K/SI 30K/SI 33K



Stable

Aluminum case design to enhance heat dissipation and prevent rust corrosion, 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 25K	SI 30K	SI 33K
Input Data			
Max. DC input power	30000W	36000W	40000W
Max. DC input voltage	1100V		
Operation voltage range	200V-1000V		
Number of independent MPPT / strings per MPPT	2/3+2	2/3+3	2/3+3
MPPT max. current	36A/24A	36A/36A	36A/36A
AC Output Data			
Rated output power	25000W	30000W	33000W
Max. output power	28000W	33000W	36000W
Rated output voltage	400V/320V-480V		
Rated output frequency	50Hz,60Hz/±5Hz		
Rated output current	37A	44A	48A
Max. output current	40A	48A	52A
Power factor	-0.8~+0.8(adjustable)		
THDi	<3%(Nominal Output)		
Grid system pattern	3W+N+PE		
Efficiency			
Max. efficiency	98.8%		
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	506/620/230		
Weight	38kg		
Noise	<55dB		
Operation temperature range	-25℃~+60℃		
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 & negotiable)		
Standards	NB/T32004,VDE-AR-N4105,EN50549,AS 4777		