



SI3P SERIES

String Inverter

3-Phase | 8/10 MPPTs

80-110kW

High-Efficiency



Max. 32 A current input, compatible with bifacial module



Up to 10 MPPT's for flexible PV array design



Built-in PID recovery function, support P / N-type modules



Smart IV Curve Diagnosis, optimizing generation in shade

Safe & Reliable

- Weak grid optimization, stable grid connection

- Support AFCI, stay away from fire risk

- IP66 and C5 Protection, suitable for harsh environment

Simple O&M

- Modular cooling system, easy to maintain

- String level monitoring, fast debugging

- APP intelligent O&M, real time dynamic update

	SI-3P-80K-L-Y1	SI-3P-100K-L-Y1	SI-3P-110K-L-Y1
PV Input			
Max. Input Voltage	1100 V		
MPPT Voltage Range / Rated Input Voltage	200 V ~ 1000 V / 630 V		
Start -up Voltage	200 V / 250 V		
Max. MPPT Input Current	32 A		
Max. MPPT Short Circuit Current	48 A		
No. of MPPT / No. of String per MPPT	8 / 2	10 / 2	10 / 2
AC Output			
Rated Output Power	80 kW	100 kW	110 kW
Max. Output Apparent Power	88 kW	110 kW	121 kW
Rated Output Voltage	220 V / 380 V; 230 V / 400 V		
Rated Voltage Frequency	50 Hz / 45 Hz ~ 55 Hz; 60 Hz / 55 Hz ~ 65Hz		
Max. Output Current / Rated Output Voltage	127 A / 115.5 A	158.8 A / 144.3 A	174.7 A / 158.8 A
Power Factor / Power Factor Range	1 / 0.8 Leading to 0.8 Lagging		
Phase	3L / N / PE		
Total Current Waveform Distortion Rate	≤3% (Rated power)		
Efficiency & Protection			
Max. Efficiency / European Efficiency	98.6% / 98.1%		
DC Switch	Yes		
DC insulation impedance detection / Grid Monitoring	Yes / Yes		
DC reverse polarity protection / AC short circuit	Yes / Yes		
Residual Current Monitoring	Yes		
Surge protection	DC Type II / AC Type II		
Anti Is-landing Protection	Yes		
Arc fault circuit interrupter (AFCI)	Optional		
General Data			
Dimensions (W x H x D)	984 x 640 x 330 mm		
Weight	86 kg		
Operation Temperature	-25 °C ~ +60 °C		
Nighttime Self-Consumption	<3 W		
Topology	Transformerless		
Cooling	Smart forced air cooling		
Protection Rating	IP66		
Operation Humidity	0 ~ 100%		
Max. Operating Altitude	4000 m		
Features			
DC Input Connector	Vaconn / Jinko		
AC Output Connector	OT Connector		
Display	LED, APP		
Communication	4G, RS485		
Certification	NB/T 32004		