

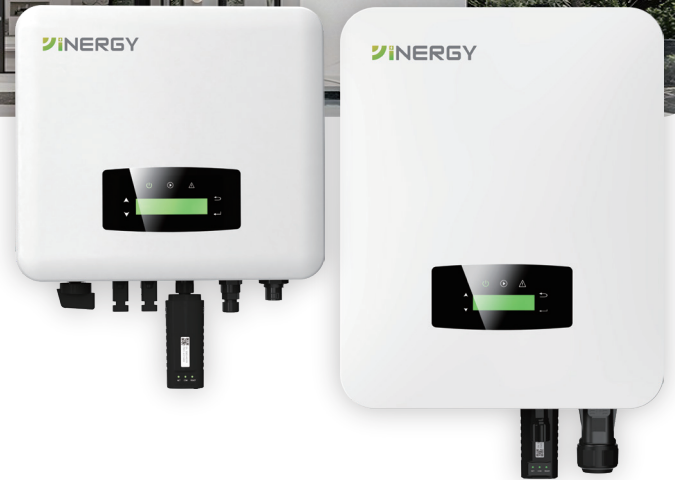


SI SERIES

PV String Inverter

Single Phase

3-6kW | 7-10kW



User-Friendly



24H monitoring and maintenance (optional)



Easy to install and set up

Safety Reliability

- AC / DC built-in type III SPD (optional)

- IP65 protection

- AI powered AFCI protection (optional)

- 24H monitoring and maintenance (optional)

Smart

- Smart IV curve scanning

- RS485 / WiFi / Wire Ethernet / GPRS (optional)

- Remote firmware upgrade with simple operation

- Multiple monitoring methods supported

- Built-in export power control

	SI-1P3K-Y1	SI-1P3K6-Y1	SI-1P4K-Y1	SI-1P5K-Y1	SI-1P6K-Y1	SI-1P7K-Y1	SI-1P8K-Y1	SI-1P9K-Y1	SI-1P10K-Y1
	PV Input Data								
Max. DC Power (W)	4500	5400	6000	7000	8400	9800	11200	12600	14000
Max. DC Voltage (V)	600	600	600	600	600	600	600	600	600
MPPT Voltage Range (V)	70 - 550	70 - 550	70 - 550	70 - 550	70 - 550	70 - 550	70 - 550	70 - 550	70 - 550
MPPT Full Power Voltage Range (V)	110 - 550	130 - 550	145 - 550	180 - 550	220 - 550	220 - 550	220 - 550	220 - 550	220 - 550
Rated Input Voltage (V)	360								
Start-up Voltage (V)	70								
Max. Input Current (A)	14 x 2			14 + 26			26 + 26		
Max. Short Current (A)	18 x 2			18 + 35			35 + 35		
No. of MPP Tracker/No. of PV String	2 / 2			2 / 3			2 / 4		
Input Connector Type	MC4								
	AC Output Data								
Max. Output Power (VA)	3300	3960	4400	5500	6600	7700	8800	9900	11000
Nominal Output Power (W)	3000	3600	4000	5000	6000	7000	8000	9000	10000
Max. Output Current (A)	15	17.5	20	24	28.7	33.6	38.3	45	50
Nominal Output Voltage (V)	L / N / PE, 220 Vac, 230 Vac, 240 Vac								
Grid Voltage Range	180 Vac - 276 Vac (According to local standard)								
Nominal Output Frequency (Hz)	50 / 60								
Grid Frequency Range	45 - 55 Hz / 54 - 66 Hz (According to local standard)								
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)								
Output Current THD	< 3%								
	Efficiency								
Max. Efficiency	98.20%	98.20%	98.20%	98.20%	98.20%	98.20%	98.20%	98.32%	98.40%
Euro Efficiency	97.80%	97.82%	97.85%	97.90%	97.92%	97.95%	98.00%	98.00%	98.10%
	Protection								
PV Reverse Polarity Protection	YES								
PV Insulation Resistance Detection	YES								
AC Short Circuit Protection	YES								
AC Over Current Protection	YES								
AC Over Voltage Protection	YES								
Anti-Islanding Protection	YES								
Residual Current Detection	YES								
Over Temperature Protection	YES								
Integrated DC switch	YES								
Surge Protection	Integrated (Type III)								
SmartIVCurve Scanning	YES								
Quick Arc Fault Circuit interruption	Optional								
	General Data								
Dimensions (W x H x D, mm)	358 x 360 x 142			370 x 510 x 192			370 x 535 x 192		
Weight (kg)	10			17			18		
Protection Degree	IP66								
Enclosure Material	Aluminum								
Ambient Temperature Range (°C)	-25 - +60								
Humidity Range	0 - 100%								
Topology	Transformerless								
Communication Interface	RS485 / WiFi / WireEthernet / GPRS (optional)								
Cooling Concept	Convection						Intelligent fan cooling		
Noise Emission (db)	< 28			< 40			< 40		
NightPower Consumption (W)	< 1								
Max. Operation Altitude (m)	4000								
	Certifications and Standards								
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12								
Safety Standard	IEC 60068, UL1741, EN62109								
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727								