

SG34KJ

String Inverter For Japan



Adapt to Japanese Environment

- .IP65 protection, salt fog resistance meets JIS 8502
- .Japanese operation screen



Secured Yield

- Max. efficiency reaches 98.2%
- 8 strings, 2 MPPT and wide MPPT voltage range
- Ambient temperature range from -25 °C to 60 °C



Other

- Fault ride through function
- Light weight and small size can install as wall mounted or at any slant angle
- Integrated combine box with OT terminal, DC fuse and SPD



Item

Nominal AC output power	34 kW
Isolation method	Transformerless
Feature	Suitable for high-voltage grid, high input and output voltage, to implement low-cost power plants

Electrical Performance

Nominal input voltage	1000 Vdc
Input voltage range	DC 240 V - DC 950 V
MPP voltage range	DC 500 V - DC 950 V
No. of PV strings	8
Nominal AC output voltage	AC 440 Vac
Nominal frequency	50 Hz / 60 Hz
Grid connect type	3 \sim , 440 V
Power factor	>0.99 (0.8 leading - 0.8 lagging)
THD	<5% (total); <3% (at each harmonic)
Nominal efficiency	97.8%
Max. efficiency	98.2%

Environment

Environment temperature	-25 to 60
Allowable relative humidity range	0 - 100%

Protection Function

Protection Function	FRT, Over-voltage protection, under-voltage protection, over-frequency protection, under-frequency protection
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Anti-islanding Detection

Passive method	Voltage phase jump detection
Active method	Active frequency drift with positive feedback

Other Function

Other fuction	Grid voltage rise restriction, external operation(OVRG, etc.), detecting and monitoring
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Operation Panel

Operation panel	Japanese
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Structure

Ingress protection rating	IP65 (outdoor / indoor)
Installation method	Wall mounted
Cooling method	Forced air cooling
Weight	65 kg
Dimension (W*D*H)	622*250*895 mm

Efficiency Curve

