

# 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	440 Vac
Nominal frequency	50 Hz / 60 Hz
Grid connect type	3~, 440 V
Power factor	> 0.99 (0.8 leading - 0.8 lagging)
THD	< 5 % (total); < 3 % (at each harmonic)
Nominal efficiency	97.80 %
Max. efficiency	98.20 %

**Environment**

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

**Protection Function**

Protection Function	FRT, Over-voltage protection, under-voltage protection, over-frequency protection, under-frequency protection
---------------------	---------------------------------------------------------------------------------------------------------------

**Anti-islanding Detection**

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

**Other Function**

Other function	Grid voltage rise restriction, external operation(OVRG, etc.), detecting and monitoring
----------------	-----------------------------------------------------------------------------------------

**Operation Panel**

Operation panel	Japanese
-----------------	----------

**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**

