
Three Phase Inverter

For Korea

SE25K / SE27.6K



INVERTERS

Specifically designed to work with power optimizers

- // Superior efficiency (98.3%)
- // Small, lightest in its class, and easy to install
- // Built-in module-level monitoring
- // Internet connection through Ethernet or Wireless
- // IP65 – Outdoor and indoor installation
- // Fixed voltage inverter for longer strings
- // Smart Energy Management control
- // Integrated DC Safety Unit - eliminates the need for external DC isolators
- // DC surge protection and DC fuse

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OUTPUT			
Rated AC Power Output	25000	26400	VA
Maximum AC Power Output	25000	26400	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	380 / 220		Vac
AC Output Voltage - Line to Line Range / Line to Neutral Range	304 - 437 / 176 - 253		Vac
AC Frequency	50/60 ± 5		Hz
Maximum Continuous Output Current (per Phase)	38	40	A
Grids Supported - Three Phase	3 phase, 4-wire / PE (L1-L2-L3-N), TN, TT		
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes		
INPUT			
Maximum DC Power (Module STC)	33750	35640	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	1000		Vdc
Nominal DC Input Voltage	800		Vdc
Maximum Input Current	40		Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	350kΩ Sensitivity ⁽¹⁾		
Maximum Inverter Efficiency	98.3		%
European Weighted Efficiency	98		%
Nighttime Power Consumption	< 4		W
ADDITIONAL FEATURES			
Supported Communication Interfaces ⁽²⁾	RS485, Ethernet, ZigBee (optional), Wi-Fi (optional) Built-in GSM (Optional)		
Smart Energy Management	Export Limitation, Home Energy Management		
DC SAFETY UNIT			
2-pole Disconnection	1000V / 40A		
DC Surge Protection	Type II, field replaceable		
DC Fuses on Plus & Minus	25A		
Compliance	UTE-C15-712-1		
STANDARD COMPLIANCE			
Safety	IEC-62103 (EN50178), IEC-62109, AS3100		
Grid Connection Standards ⁽³⁾	VDE-AR-N-4105, G59/3, AS-4777, EN 50438, CEI-021, VDE 0126-1-1, CEI-016 ⁽⁵⁾ , BDEW		
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12		
RoHS	Yes		
INSTALLATION SPECIFICATIONS			
AC Output Gland Diameter / Wire Cross Section	18-25mm / Solid wire 2.5-16 mm ² , Stranded wire 2.5-10 mm ²		
DC Input conduit size / wire cross section	19 mm minimum / 3-13 mm ²		
DC Input with Safety Unit	3 MC4 pairs		mm ²
Dimensions (HxWxD)	540 X 315 X 260		mm
Dimensions with Safety Unit (HxWxD)	775 X 315 X 260		mm
Weight	45		kg
Weight with Safety Unit	48		kg
Operating Temperature Range	-20 to +60 ⁽⁴⁾ (M40 version -40 to +60)		°C
Cooling	Fan (user replaceable)		
Noise	< 55		dBA
Protection Rating	IP65 - Outdoor and Indoor		
Bracket Mounted (Bracket Provided)			

⁽¹⁾ Where permitted by local regulations

⁽²⁾ Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

⁽³⁾ For all standards refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

⁽⁴⁾ For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>