



## SolarEdge Three Phase Inverters

SE25K / SE27.6K / SE33.3K (preliminary)

INVERTERS



### Specifically designed to work with power optimizers

- Superior efficiency (98%)
- 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, DC/AC conversion only
- Optional integrated DC Safety Unit - eliminates the need for external DC isolators
- Optional DC surge protection and DC fuses



# SolarEdge Three Phase Inverters

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	SE25K	SE27.6K	SE33.3K (REQUIRES MEDIUM VOLTAGE TRANSFORMER)	
<b>OUTPUT</b>				
Rated AC Power Output	25000	27600	33300	VA
Maximum AC Power Output	25000	27600	33300	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	380 / 220 ; 400 / 230		480 / 277	Vac
AC Output Voltage - Line to Neutral Range	184-264.5		244-305	Vac
AC Frequency	50/60 ± 5			Hz
Maximum Continuous Output Current (per Phase) @220V	38	40	40	A
Residual Current Detector / Residual Current Step Detector	300 / 30			mA
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral)			V
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes			
<b>INPUT</b>				
Maximum DC Power (Module STC)	33750	37250	44950	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage	900		1000	Vdc
Nominal DC Input Voltage	750		840	Vdc
Maximum Input Current	37	40	40	Adc
Reverse-Polarity Protection	Yes			
Ground-Fault Isolation Detection	1MΩ Sensitivity			
Maximum Inverter Efficiency	98.5			%
European Weighted Efficiency	98	98	98.3	%
Nighttime Power Consumption	< 4			W
<b>ADDITIONAL FEATURES</b>				
Supported Communication Interfaces	RS485, Ethernet, Zigbee (optional), Wi-Fi (optional)			
<b>DC SAFETY UNIT (OPTIONAL)</b>				
2-pole Disconnection	1000V / 40A			
DC Surge Protection	Type II, field replaceable			
DC Fuses on Plus & Minus	Optional, 20A			
Compliance	UTE-C15-712-1			
<b>STANDARD COMPLIANCE</b>				
Safety	IEC-62103 (EN50178), IEC-62109, AS3100			
Grid Connection Standards; for all standards refer to Certifications category in Downloads page	VDE-AR-N-4105, G59/3, AS-4777, EN 50438, CEI-021, VDE 0126-1-1	VDE-AR-N-4105, BDEW, G59/3, AS-4777, EN 50438, CEI-021, VDE 0126-1-1, CEI-016	BDEW, CEI-016	
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12			
RoHS	Yes			
<b>INSTALLATION SPECIFICATIONS</b>				
AC Output	Cable Gland - diameter 15-21			mm
DC Input	3 MC4 pairs; with optional DC safety unit: cable glands - diameter 2-4mm			
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 - +60 (-40 version available)			°C
Cooling	Fan (user replaceable)			
Noise	< 55			dBA
Protection Rating	IP65 - Outdoor and Indoor			
Bracket Mounted (Bracket Provided)				

