



SolarEdge Three Phase Inverters

SE6K (Belgium & Italy)

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



SolarEdge Three Phase Inverters

SE6K⁽¹⁾⁽²⁾ (Belgium & Italy)

	SE6K	
OUTPUT		
Rated AC Power Output	6000	VA
Maximum AC Power Output	6000	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	380 / 220 ; 400 / 230	Vac
AC Output Voltage - Line to Neutral Range	184 - 264.5	Vac
AC Frequency	50/60 ± 5	Hz
Maximum Continuous Output Current (per Phase)	10	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	
INPUT		
Maximum DC Power (Module STC)	8100	W
Transformer-less, Ungrounded	Yes	
Maximum Input Voltage	900	Vdc
Nominal DC Input Voltage	750	Vdc
Maximum Input Current	10	Adc
Reverse-Polarity Protection	Yes	
Ground-Fault Isolation Detection	700kΩ Sensitivity	
Maximum Inverter Efficiency	98	%
European Weighted Efficiency	97.3	%
Nighttime Power Consumption	< 2.5	W
ADDITIONAL FEATURES		
Supported Communication Interfaces ⁽³⁾	RS485, Ethernet, Zigbee (optional), Wi-Fi (optional), Built-in GSM (optional)	
STANDARD COMPLIANCE		
Safety	IEC-62103 (EN50178), IEC-62109	
Grid Connection Standards ⁽⁴⁾	VDE 0126-1-1, VDE-AR-N-4105, AS-4777, G83 / G59	
Emissions	IEC61000-6-2, IEC61000-6-3 , IEC61000-3-11, IEC61000-3-12, FCC part15 class B	
RoHS	Yes	
INSTALLATION SPECIFICATIONS		
AC Output	Cable Gland - diameter 15-21	mm
DC Input	2 MC4 pairs	
Dimensions (HxWxD)	540 x 315 x 260	mm
Weight	33.2	kg
Operating Temperature Range	-20 - +60 (M40 version -40 - +60)	°C
Cooling	Fan (user replaceable)	
Noise	< 50 ⁽⁵⁾	dBA
Protection Rating	IP65 - Outdoor and Indoor	
Bracket Mounted (Bracket Provided)		

⁽¹⁾ For other models refer to: <http://www.solaredge.com/files/pdfs/products/inverters/se-three-phase-inverter-datasheet.pdf> and <http://www.solaredge.com/files/pdfs/products/inverters/se-three-phase-inverter-extended-power-datasheet.pdf>

⁽²⁾ Available only in Belgium and Italy

⁽³⁾ Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

⁽⁴⁾ For all standards refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

⁽⁵⁾ For inverters with a noise level suitable for residential environments refer to: <http://www.solaredge.com/files/pdfs/products/inverters/se-three-phase-indoor-inverter-datasheet.pdf>

