

SOLAR EDGE

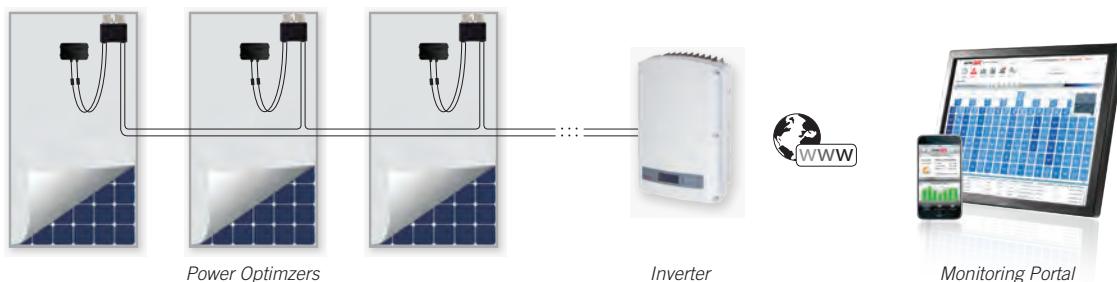
Single Phase Inverters SE2200~SE6000



Specifically designed to work with power optimizers

Features

- Superior efficiency (97.6%)
- Small, lightweight 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
- 12 years warranty



SOLAR EDGE SINGLE PHASE INVERTERS

OUTPUT	SE2200	SE3000	SE3500	SE4000	SE5000	SE6000
Rated AC Power Output	2200 VA	3000 VA	3500 VA	4000 VA	5000 VA	6000 VA
Maximum AC Power Output	2200 VA	3000 VA	3500 VA	4000 VA	5000 VA	6000 VA
AC Output Voltage (Nominal)	220 /230 V AC					
AC Output Voltage Range	184 - 264.5 V AC					
AC Frequency (Nominal)	50 / 60 ± 5 Hz					
Maximum Continuous Output Current	12 A	16.5* A	19.5* A	22* A	27 A	27 A
Residual Current Detector/Residual Current Step Detector	300 / 30 mA					
Utility Monitoring, Islanding Protection	Yes					
Country Configurable Parameters	Yes					
INPUT						
Recommended Maximum DC Power** (Module STC)	2400 W	3300 W	3900 W	4400 W	5500 W	6600 W
Transformer-less, Ungrounded	Yes					
Maximum Input Voltage	500 V DC					
Nominal DC Input Voltage	350 V DC					
Maximum Input Current	8.5 A DC	11.5 A DC	13.5 A DC	15.5 A DC	19.5 A DC	23 A DC
Reverse-Polarity Protection	Yes					
Ground-Fault Isolation Detection	600kΩ Sensitivity					
Maximum Inverter Efficiency	97.6 %					
European Weighted Efficiency	97.6 %	97.6 %	97.5 %	97.5 %	97.4 %	97.4 %
Nighttime Power Consumption	< 2.5 W					
ADDITIONAL FEATURES						
Supported Communication Interfaces	RS485, RS232, Ethernet, Zigbee (optional)					
STANDARD COMPLIANCE						
Safety	IEC-62103 (EN50178), IEC-62109					
Grid Connection Standards	VDE 0126-1-1, VDE-AR-N-4105, AS-4777, RD-1663 , DK 5940					
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 9-16 mm					
DC Input	1 MC4 pair			2 MC4 pairs		
Dimensions (HxWxD)	540 x 315 x 172 mm			540 x 315 x 191 mm		
Weight	20.2 kg			21.7 kg		
Cooling	Natural Convection					
Noise	< 50 dBA					
Operating Temperature Range	-20 - +50 (M40 version -40 - +50) °C					
Protection Rating	IP65 - Outdoor and Indoor					
Bracket Mounted (Bracket Provided)						

* For inverters with an AC current limit of 16A please refer to the "SE3000-4000-16A Inverter" datasheet.

** Higher input DC power may be installed; analyze yearly AC performance.

About SolarEdge

SolarEdge provides an end-to-end distributed solar power harvesting and PV monitoring solution, maximizing the power generation of residential, commercial and large-scale PV system installations by up to 25%, for a faster return on investment.

Module manufacturers, installers and system owners enjoy the benefits of SolarEdge solutions which allow maximum power production through module-level MPPT, optimal roof utilization through constraint free design and enhanced maintenance and accurate trouble shooting through module-level monitoring. Another benefit is the guaranteed automatic DC shutdown for installers, maintenance

personnel and firefighters through the unique SafeDC™ mechanism. Founded in 2006, SolarEdge established the DC power optimizer segment and is leading it with over 70% market share. By Q2 2013, SolarEdge has shipped over 2,000,000 power optimizers to more than 45 countries worldwide. With strategic partnerships across the PV value-chain from module manufacturers to integrators, SolarEdge installations can be found in five continents.

Vision

SolarEdge envisions that every solar module will be individually managed by DC-DC module-level electronics, accelerating the pace towards grid parity and making clean energy affordable.

Mission

We are committed to:

- Transforming traditional solar power harvesting into module-level optimization that sets new performance benchmarks
- Delivering an end-to-end system solution that overcomes all of the challenges presented by the traditional PV harvesting systems
- Setting new standards for solar PV performance, safety and reliability