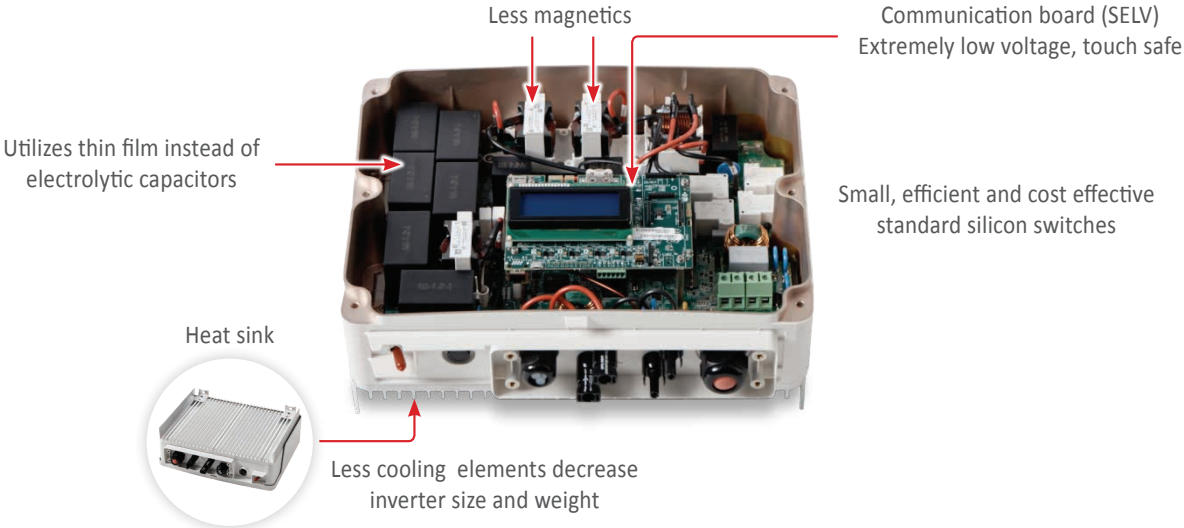


HD-Wave Technology Inverter

A New Era for Inverter Technology

SolarEdge's HD-Wave inverter technology is a novel power conversion topology that significantly decreases inverter size and weight while achieving record efficiency.



- 99% efficiency – lower LCOE
- Oversizing up to 155%
- Designed for reliability
- Extremely small, lightweight, and easy to install
- Outdoor and indoor installation

- Safety – SafeDC and arc detection
- Higher maximum power per string
- Comprehensive commissioning
- Compatible with existing SolarEdge systems
- Built-in module-level monitoring

Single Phase Inverters



SE2200H, SE3000H, SE3500H, SE3680H, SE4000H*, SE5000H*, SE6000H*

	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	
OUTPUT								
Rated AC Power Output	2200	3000	3500	3680	4000	5000 ⁽¹⁾	6000	VA
Maximum AC Power Output	2200	3000	3500	4000	4000	5000 ⁽¹⁾	6000	VA
AC Output Voltage (nominal)	220 / 230							Vac
AC Output Voltage Range	184 - 264.5							Vac
AC Frequency (nominal)	50 / ± 5							Hz
Maximum Continuous Output Current	10	14	16	16	18.5	23	27.5	A
Residual Current Detector / Residual Current Step Detector	300 / 30							mA
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes							
INPUT								
Maximum DC Power	3400	4650	5425	5700	6200	7750	9300	W
Transformer-less, Ungrounded	Yes							
Maximum Input Voltage	480							Vdc
Nominal DC Input Voltage	380							Vdc
Maximum Input Current	6.5	9	10	11.5		13.5	16.5	Adc
Reverse-Polarity Protection	Yes							
Ground-Fault Isolation Detection	600kΩ Sensitivity							
Maximum Inverter Efficiency	99.2							%
European Weighted Efficiency	98.3	98.8				99		%
Nighttime Power Consumption	< 2.5							W
ADDITIONAL FEATURES								
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional), WiFi (optional), Cellular (optional)							
STANDARD COMPLIANCE⁽²⁾								
Safety	IEC-62109-1/2, AS-3100							
Grid Connection Standards	AS-4777, VDE-AR-N-4105, VDE 0126-1-1, UTE C15-712, G83/2, G59/3, CEI-021, EN 50438, IEC61727, IEC62116, ÖNORM, TF3.2.1, C10-11, NRS 097-2-1							
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC Part 15 Class B							
INSTALLATION SPECIFICATIONS								
AC Output - Supported Cable Diameter	9 - 16							mm
AC - Supported Wire Cross Section	1 - 16							mm ²
DC Input	2 x MC4 pair							
Dimensions (HxWxD)	280 x 370 x 142							mm
Weight	9.5							kg
Cooling	Natural Convection							
Operating Temperature Range	-20 to +60 ⁽³⁾ (-40°C option)							°C
Protection Rating	IP65 – Outdoor and Indoor							

* Available in Q4 2016

⁽¹⁾ 4600VA in Germany

⁽²⁾ Certification pending

⁽³⁾ De-rating from 50°C