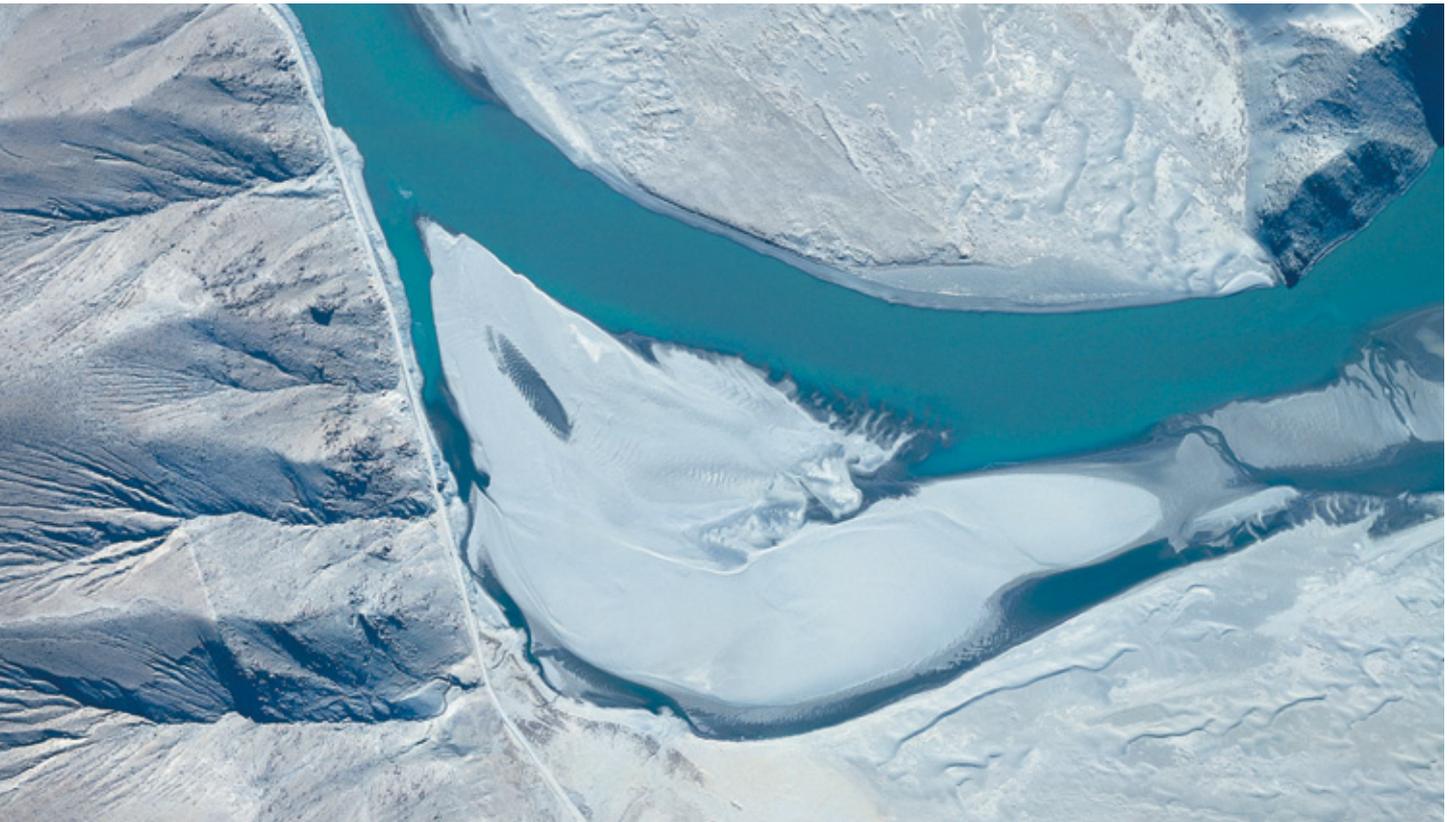




SolarEdge Commercial Size Inverters



Designed specifically for commercial installations

- No electrolytic bulk capacitor for highest reliability
- Superior efficiency (>98%)
- Small, lightest in its class, and easy to install
- Built-in module-level monitoring
- Separate connection compartment for simple access
- Communication to internet via Ethernet or Wireless
- IP65 – Outdoor and indoor installation



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Commercial Size Inverters

SE35k - SE50k

All our solar inverters are part of SolarEdge's innovative system designed to provide superior performance at a competitive price. The SolarEdge PV inverter combines a sophisticated, cutting-edge digital control technology and a one stage, ultra-efficient power

conversion architecture to achieve superior performance – over 98% efficiency and best-in-class reliability. Our fixed-voltage technology ensures the inverter is always working at its optimal input voltage, regardless of the number of modules or environmental conditions.

TECHNICAL DATA

	SE35k*	SE40k*	SE45k*	SE50k*	
OUTPUT					
Rated AC Power Output	35000	40000	45000	50000	VA
Maximum AC Power Output	35000	40000	45000	50000	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)	56	63.5	71.5	79.5	Arms
Residual Current Detector / Residual Current Step Detector	500 / 30				mA
Grids Supported - Three Phase	3 / N / PE ; 230 / 400				
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes				
INPUT					
Recommended Max. DC Power** (Module STC)	38500	44000	49500	55000	W
Transformer-less, Ungrounded	Yes				
Maximum Input Voltage (Voc)	900				Vdc
Nominal DC Input Voltage	750				Vdc
Maximum Input Current	52	59	66.5	74	Adc
Reverse-Polarity Protection	Yes				
Ground-Fault Isolation Detection	1MΩ Sensitivity				
Maximum Inverter Efficiency	98.2				%
European Weighted Efficiency	97.8				%
Nighttime Power Consumption	< 3				W
ADDITIONAL FEATURES					
Supported Communication Interfaces	RS485, RS232, Ethernet, Zigbee (optional)				
STANDARD COMPLIANCE					
Safety	IEC-62103 (EN50178), Draft 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 34-44				mm
DC Input	Cable Glands - diameter 6-12 / 8 MC4 pairs				mm
Dimensions (H x W x D)	925 x 700 x 350				mm
Weight	90				kg
Operating Temperature Range	-20 - +60				°C
Cooling	Fans (user replaceable)				
Protection Rating	IP65 - Outdoor and Indoor				
Bracket Mounted (Bracket Provided)					

* Certification pending.

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

■ USA ■ Germany ■ Italy ■ France ■ Japan ■ China ■ Israel

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