



SolarEdge Extended Power Three Phase Inverters

SE15K - SE27.6K



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 (SE25K and SE27.6K only)
- Optional DC surge protection and DC fuses (SE25K and SE27.6K only)



SolarEdge Extended Power Three Phase Inverters SE15K - SE27.6K

	SE15K	SE16K	SE17K	SE25K	SE27.6K	
OUTPUT						
Rated AC Power Output	15000	16000	17000	25000	27600	VA
Maximum AC Power Output	15000	16000	17000	25000	27600	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)	23	25.5	26	38	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					
INPUT						
Maximum DC Power (Module STC)	20250	21600	22950	33750	37250	W
Transformer-less, Ungrounded	Yes					
Maximum Input Voltage	900					Vdc
Nominal DC Input Voltage	750					Vdc
Maximum Input Current	22	23	23	37	40	Adc
Reverse-Polarity Protection	Yes					
Ground-Fault Isolation Detection	1MΩ Sensitivity					
Maximum Inverter Efficiency	98					%
European Weighted Efficiency	97.6	97.7	97.7	98	98	%
Nighttime Power Consumption	< 2.5			< 4		W
ADDITIONAL FEATURES						
Supported Communication Interfaces	RS485, Ethernet, Zigbee (optional), Wi-Fi (optional)					
DC SAFETY UNIT (OPTIONAL)						
2-pole Disconnection	N/A		1000V / 40A			
DC Surge Protection	N/A		Type II, field replaceable			
DC Fuses on Plus & Minus	N/A		Optional, 20A			
Compliance	N/A		UTE-C15-712-1			
STANDARD COMPLIANCE						
Safety	IEC-62103 (EN50178), IEC-62109, AS3100					
Grid Connection Standards*	VDE-AR-N-4105, G59/3, AS-4777, EN 50438, CEI-021, VDE 0126-1-1, CEI-016**, BDEW**					
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12					
RoHS	Yes					
INSTALLATION SPECIFICATIONS						
AC Output	Cable Gland - diameter 15-21					mm
DC Input	2 MC4 pairs		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)	N/A		775 x 315 x 260			mm
Weight	33.2		45			kg
Weight with Safety Unit	N/A		48			kg
Operating Temperature Range	-20 - +60 (M40 version -40 - +60)					°C
Cooling	Fan (user replaceable)					
Noise	< 50		< 55			dB(A)
Protection Rating	IP65 - Outdoor and Indoor					
Bracket Mounted (Bracket Provided)						

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

** Model SE27.6K only



© SolarEdge Technologies, Inc. All rights reserved. SOLAREEDGE, the SolarEdge logo, OPTIMIZED BY SOLAREEDGE are trademarks or registered trademarks of SolarEdge Technologies, Inc. All other trademarks mentioned herein are trademarks of their respective owners. Date: 05/2015. V.01. Subject to change without notice.



DMS Energy
56 Sheffield Main Rd
Spreyton

1300 502 599

email- info@dmsolutions.net.au

www.dmsenergy.net.au