Three Phase Inverter
For Australia
SE30K - SE33.3K

12-20 YEAR WARRANTY

Specifically designed to work with power optimizers

- Fixed voltage inverter for superior efficiency (98.3%) and longer strings

- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp

- Small, lightest in its class, and easy to install

- Optional Type 2 DC and AC surge protection, to better withstand lightning events

- Built-in module-level monitoring with Ethernet or wireless communication for full system visibility

- IP65 outdoor and indoor installation

- Smart Energy Management control

- Future-ready for the SolarEdge energy storage solution

- Integrated DC Safety Unit - eliminates the need for external DC isolators

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	SE30K	SE33.3K	
Applicable to inverters with part number	SEXXK-AUX0IXXXX		CE
OUTPUT			
Rated AC Power Output	30000	33300	W
Maximum apparent AC Output Power	30000	33300	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	400 / 230		Vac
AC Output Voltage - Line to Neutral Range	184 - 264.5		Vac
AC Frequency	50 ± 5%		Hz
Maximum Continuous Output Current (per Phase)	43.5	48.25	Aac
AC Output Line Connections	3W + PE, 4W + PE		
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes		
Total Harmonic Distortion	≤ 3		%
Power Factor Range	+/-0.8 to 1		
INPUT			
Maximum DC Power (Module STC)	45000	50000	W
Transformer-less, Ungrounded	Yes		
Nominal DC Input Voltage DC to Gnd	375		Vdc
Maximum Input Voltage DC to Gnd	415		Vdc
Nominal DC Input Voltage DC+ to DC-	750		
Maximum Input Voltage DC+ to DC-	830		
Maximum Input Current	43.5	48.25	Adc
Short Circuit Current From The PV Array	48.25		Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	167kΩ Sensitivity[1]		
Maximum Inverter Efficiency	98.3		%
European Weighted Efficiency	98		%
Nighttime Power Consumption	< 4		W
ADDITIONAL FEATURES			
Supported Communication Interfaces	2 x RS485, Ethernet, Wi-Fi[2]		
Smart Energy Management	Export Limitation		
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi access point for local connection		
Arc Fault Protection	Integrated, User Configurable (According to UL1699B)		
RS485 Surge Protection	Supplied with the inverter		
DC/AC Surge Protection	Type II, field replaceable, Optional		
DC SAFETY UNIT			
DC Disconnect	Integrated		
STANDARD COMPLIANCE			
Safety	IEC62109, AS/NZS3100		
Grid Connection Standards[3]	AS/NZS4777:2015		
Emissions	IEC61000-6-2, IEC61000-6-3 Class A , IEC61000-3-11, IEC61000-3-12		
RoHS	Yes		
INSTALLATION SPECIFICATIONS			
AC Output Conduit Size / Wire Cross Section	20 mm minimum / 4-16 mm²		
DC Input Conduit Size / Wire Cross Section	20 mm minimum / 6-35 mm²		
Dimensions with Safety Unit (HxWxD)	808 x 317 x 300		mm
Weight with Safety Unit	35		kg
Operating Temperature Range	-40 to+60[4]		°C
Cooling	Fan (user replaceable)		
Noise	< 62		dBA
Protection Rating	IP65 - Outdoor and Indoor		
Mounting	Bracket Provided		

(1) Where permitted by local regulations
(2) Wi-Fi connectivity requires connection of an additional Wi-Fi component, ordered separately. For more details ask your SolarEdge sales person or refer to: https://www.solaredge.com/aus/products/communication
(3) For all standards refer to the Certifications category in the Resource Library: http://www.solaredge.com/groups/support/downloads
(4) For power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf

CE **RoHS**