

# Three Phase Inverter For Australia

SE25K / SE30K / SE33.3K



INVERTERS

## 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

# / Three Phase Inverter

## For Australia

SE25K / SE30K / SE33.3K

Applicable to inverters with part number	SEXK-AUX0IXXX			
	SE25K	SE30K	SE33.3K	
<b>OUTPUT</b>				
Rated AC Power Output	25000	30000	33300	W
Maximum apparent AC Output Power	25000	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)	38	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			
<b>INPUT</b>				
Maximum DC Power (Module STC)	37500	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	37	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 <sup>(1)</sup>			
Maximum Inverter Efficiency	98.3			%
European Weighted Efficiency	98			%
Nighttime Power Consumption	< 4			W
<b>ADDITIONAL FEATURES</b>				
Supported Communication Interfaces	2 x RS485, Ethernet, Wi-Fi <sup>(2)</sup>			
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			
<b>DC SAFETY UNIT</b>				
DC Disconnect	Integrated			
<b>STANDARD COMPLIANCE</b>				
Safety	IEC62109, AS/NZS3100			
Grid Connection Standards <sup>(3)</sup>	AS/NZS4777:2015			
Emissions	IEC61000-6-2, IEC61000-6-3 Class A , IEC61000-3-11, IEC61000-3-12			
RoHS	Yes			
<b>INSTALLATION SPECIFICATIONS</b>				
AC Output Conduit Size / Wire Cross Section	20 mm minimum / 4-16 mm <sup>2</sup>			
DC Input Conduit Size / Wire Cross Section	20 mm minimum / 6-35 mm <sup>2</sup>			
Dimensions with Safety Unit (H x W x D)	808 x 317 x 300			mm
Weight with Safety Unit	35			kg
Operating Temperature Range	-40 to +60 <sup>(4)</sup>			°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>