

Three Phase Inverter For Australia

SE15K-SE17K



INVERTERS

Specifically designed to work with power optimisers

- /// Superior efficiency (98%)
- /// Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- /// Small, lightest in its class, and easy to install
- /// Built-in module-level monitoring
- /// Internet connection through Ethernet or Wireless (Wi-Fi, ZigBee Gateway, Cellular)
- /// IP65 – Outdoor and indoor installation
- /// Fixed voltage inverter for longer strings
- /// Integrated DC Safety Unit - eliminates the need for external DC isolators

/ Three Phase Inverter

For Australia

SE15K - SE17K

Applicable to inverters with part numbers	SE15K	SE17K	
	SEXXX-XXXXXBXX4		
OUTPUT			
Rated AC Power Output	15000	17000	VA
Maximum AC Power Output	15000	17000	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	380 / 220 ; 400 / 230		Vac
AC Output Voltage - Line to Neutral Range	176 - 253 ; 184 - 264		Vac
AC Frequency	50/60 ± 5		Hz
Maximum Continuous Output Current (per Phase)	23	26	A
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral); 230 / 400		
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes		
INPUT			
Maximum DC Power (Module STC)	20250	22950	W
Transformer-less, Ungrounded	Yes		
Nominal DC Input Voltage DC to Gnd	375		
Minimum Input Voltage DC to Gnd	340		
Maximum Input Voltage DC to Gnd	415		
Nominal DC Input Voltage DC+ to DC-	750		Vdc
Maximum Input Voltage DC+ to DC-	830		Vdc
Maximum Input Current	22	23	Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	700kΩ Sensitivity		
Maximum Inverter Efficiency	98		%
European Weighted Efficiency	97.6	97.7	%
Nighttime Power Consumption	< 2.5		W
ADDITIONAL FEATURES			
Supported Communication Interfaces ⁽²⁾	RS485, Ethernet, Wi-Fi (requires antenna) ⁽³⁾ , ZigBee (optional), Cellular (optional)		
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi station for local connection		
Smart Energy Management	Export Limitation		
RS485 Surge Protection Plug-in	Supplied with the inverter		
DC SAFETY UNIT			
2-pole Disconnection	1000V / 23A		
STANDARD COMPLIANCE			
Safety	IEC62109, AS/NZS3100		
Grid Connection Standards	AS/NZS 4777.2:2015		
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12		
RoHS	Yes		
INSTALLATION SPECIFICATIONS			
AC output conduit size / Wire cross section	19mm minimum / 3-16 mm ²		
DC input conduit size / Wire cross section	19mm minimum / 3-16 mm ²		
Dimensions with Safety Unit (H x W x D)	775 x 315 x 260		mm
Weight	33.7		kg
Operating Temperature Range	-40 to +60 ⁽⁴⁾		°C
Maximum Altitude	2000		m
Cooling	Fan (user replaceable)		
Noise	< 50		dBA
Protection Rating	IP65 - Outdoor and Indoor		
Mounting	Brackets provided		

⁽¹⁾ Where permitted by local regulations

⁽²⁾ Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

⁽³⁾ Wi-Fi connectivity requires an external antenna. For more information refer to: <https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf>

⁽⁴⁾ For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>