

SolarEdge Three Phase Inverters for the 208V Grid for North America

SE9KUS / SE14.4KUS

Authorized Agent:



香港可再生能源有限公司
Hong Kong Renewable Energy Co. Ltd.

INVERTERS



The best choice for SolarEdge enabled systems

- Integrated arc fault protection for NEC 2011 690.11
- Rapid shutdown for NEC 2014 690.12
- Outdoor and indoor installation
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- Small, lightweight and easy to install on provided bracket
- Fixed voltage inverter, DC/AC conversion only
- Integrated Safety Switch

	SE9KUS		SE14.4KUS		
OUTPUT					
Rated AC Power Output	9000		14400		VA
Maximum AC Power Output	9000		14400		VA
AC Output Line Connections	4-wire WYE (L1-L2-L3-N) plus PE or 3 wire Delta				
AC Output Voltage Minimum-Nominal-Maximum ⁽²⁾ (L-N)	105-120-132.5				Vac
AC Output Voltage Minimum-Nominal-Maximum ⁽²⁾ (L-L)	183-208-229				Vac
AC Frequency Min-Nom-Max ⁽²⁾	59.3 - 60 - 60.5				Hz
Max. Continuous Output Current (per Phase)	25		40		A
GFDI Threshold			1		A
Utility Monitoring, Islanding Protection, Country Configurable Set Points			Yes		
INPUT					
Maximum DC Power (Module STC)	12150		19400		W
Transformer-less, Ungrounded			Yes		
Maximum Input Voltage DC to Gnd	250		300		Vdc
Maximum Input Voltage DC+ to DC-	500		600		Vdc
Nominal Input Voltage DC to Gnd			200		Vdc
Nominal Input Voltage DC+ to DC-			400		Vdc
Maximum Input Current	26.5		38		Adc
Max. Input Short Circuit Current			45		Adc
Reverse-Polarity Protection			Yes		
Ground-Fault Isolation Detection			1MΩ Sensitivity		
CEC Weighted Efficiency	96.5		97		%
Night-time Power Consumption	< 3		< 4		W
ADDITIONAL FEATURES					
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional)				
Rapid Shutdown – NEC 2014 690.12	With installation of rapid shutdown kit ⁽³⁾				
STANDARD COMPLIANCE					
Safety	UL1741, UL1699B, UL1998, CSA 22.2				
Grid Connection Standards	IEEE1547				
Emissions	FCC part15 class B				
INSTALLATION SPECIFICATIONS					
AC output conduit size / AWG range	3/4” minimum / 12-6 AWG				
DC input conduit size / AWG range	3/4” minimum / 12-6 AWG				
Number of DC inputs	2 pairs		3 pairs (with fuses on plus & minus) ⁽⁴⁾		
Dimensions (HxWxD)	21 x 12.5 x 10.5 / 540 x 315 x 260				in/mm
Dimensions with Safety Switch (HxWxD)	30.5 x 12.5 x 10.5 / 775 x 315 x 260				in/mm
Weight	73.2 / 33.2		99.5 / 45		
Weight with Safety Switch	79.7 / 36.2		106 / 48		
Cooling	Fans (user replaceable)				
Noise	< 50		< 55		dBA
Operating Temperature Range	-40 to +140 / -40 to +60				°F/°C
Protection Rating	NEMA 3R				

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RoHS