



SolarEdge Inverter Installation Guide North America, Erratum

This update replaces the SE7600A-US single phase 7.6 kW inverter specifications on pages 76-77 of the *SolarEdge Inverter Installation Guide, North America Version 3.2 (P/N MAN-01-00002-3.2)*.

Single Phase 7.6kW Inverter Specifications

	SE7600A-US	Units
OUTPUT		
Nominal AC Power Output	7600	VA
Maximum AC Power Output	8350	VA
AC Output Voltage Min.-Nom.-Max. 183 - 208 - 229 Vac	-	
AC Output Voltage Min.-Nom.-Max. 211 - 240 - 264 Vac	+	
AC Frequency Min-Nom-Max	59.3 - 60 - 60.5 (with HI country setting 57 - 60 - 60.5)	Hz
Max. output fault current and duration @208V	-	A / ms
Max. output fault current and duration @240V	32 / 20	A / ms
Max. continuous output current	32	A
Max. output overcurrent protection	40	A
Power factor	1	
GFDI threshold	1	
Utility monitoring, islanding protection, country configurable thresholds	Yes	
INPUT		
Maximum DC power (Module STC)	10250	
Transformer-less, Ungrounded	Yes	
Maximum Input Voltage	500	Vdc
Nominal DC Input Voltage	350@ 240V	Vdc
Maximum Input Current ¹	23	Adc
Maximum input short circuit current	45	Adc
Maximum input source back-feed current	0	A
Reverse-Polarity Protection	Yes	
Ground-Fault Isolation Detection	600kΩ Sensitivity	
Maximum Inverter Efficiency	98	%
CEC Weighted Efficiency	97.5	%
Night-time Power Consumption	< 2.5	W
ADDITIONAL FEATURES		
Supported Communication Interfaces	RS485, RS232, Ethernet, ZigBee (optional)	
Revenue Grade Data, ANSI C12.1	Optional ²	

¹ A higher current source may be used; the inverter will limit its input current to the values stated.

² Revenue grade inverter P/N: SE7600A-US002NNR2

	SE7600A-US	Units
Rapid Shutdown – NEC 2014 690.12	Functionality enabled when SolarEdge rapid shutdown kit is installed ¹	
STANDARD COMPLIANCE		
Safety	UL1741, UL1699B, UL1998, CSA 22.2	
Grid Connection Standards	IEEE1547	
Emissions	FCC part15 class B	
RoHS	Yes	
INSTALLATION SPECIFICATIONS		
AC output conduit size / AWG range	3/4" minimum / 16-6 AWG	
DC input conduit size / # of strings / AWG range	3/4" minimum / 1-2 strings / 16-6 AWG	
Dimensions (HxWxD)	21 x 12.5 x 7.2 / 540 x 315 x 184	in/mm
Dimensions with Safety Switch (HxWxD)	30.5 x 12.5 x 7.2 / 775 x 315 x 184	in/mm
Weight	47.7/21.7	lb/kg
Weight with Safety Switch	54.7/24.7	lb/kg
Cooling	Natural convection and internal fan (user replaceable)	
Noise (typical)	< 50	dBA
Operating Temperature Range	-13 to +140 / -25 to +60 ² (-40 to +60 version available ³)	°F/°C
Protection Rating	NEMA 3R	

Recommended OCPD size per grid:

Inverter	208 VAC	240 VAC
SE7600A-US	---	40 A

¹ Rapid shutdown kit P/N: SE1000-RSD-S1

² SolarEdge's 7.6kW inverter operates at full power and full currents up to a temperature of 120°F/50°C. The inverter may be used above this temperature with reduced ratings. For more information, refer to <http://www.solaredge.us/files/pdfs/se-temperature-derating-note.pdf>.

³ -40 version P/N: SE7600A-US002NNU4