

SolarEdge Extended Power Three Phase Inverters

(Australia) SE10K - SE27.6K



Specifically designed to work with power optimisers

- Superior efficiency (98%)
- 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
- Smart Energy Management control
- Integrated DC Safety Unit eliminates the need for external DC isolators



SolarEdge Extended Power Three Phase Inverters (Australia) SE10K - SE27.6K(1)

SE10K ⁽²⁾	SE12.5K	SE15K	SE16K	SE17K	SE25K	SE27.6K	
10000	12500	15000	16000	17000	24950	27600	VA
10000	12500	15000	16000	17000	24950	27600	VA
			400 / 220				Vac
400 / 230							vac
184 - 264 5							Vac
104 204.5							vac
			50/60 ± 5			,	Hz
16	20	23	25.5	26	38	40	A
						1	
l		3 / N / PE (W	YE with Neutra	I); 230 / 400			V
Configurable Po	ower Factor,			Ves			
							,
13500	16850	20250	21600	22950	33750	37250	W
Yes							
375							
415							
750							Vdo
			830				Vdo
16.5	21	22	23	23	37	40	Ad
			Yes			***************************************	
							%
97.6	97.7		97.7	97.7			%
	l						W
		12.3				· ·	
	RS/185 Ethor	rnet ZigBee (or	tional) Wi-Fi (o	ntional) Cellul:	ar (ontional)		1
	113463, LUIEI	Thet, Zigbee (of	itional), vvi-i i (c	ptional), centra	ai (Optional)		
10007/337						/ / 40 ^	1
1000V / 23A					1000V / 40A		
		IF.C.	2400 46/4762	400			1
						• • • • • • • • • • • • • • • • • • • •	
			Yes				
							1
		19mm	minimum / 3-1	3 mm ²			
		19mm	minimum / 3-1	3 mm²			
	• • • • • • • • • • • • • • • • • • • •		minimum / 3-1 minimum / 3-1			<u></u>	
775 x 315 x				3 mm²			mn
191		19mm	minimum / 3-1 775 x 31	3 mm²			mm
			775 x 31	3 mm²		18	kg
191 24.9		19mm	775 x 31	3 mm²		18	
191 24.9 Internal Fan		19mm 36	775 x 31 .2 .2 .20 - +60 (5) Fan (user re	3 mm²		• • • • • • • • • • • • • • • • • • • •	kg °C
191 24.9		19mm 36	775 x 31 .2 .2 .20 - +60 (5) Fan (user re	3 mm² 15 x 260 eplaceable)		18 55	kg
	10000 10000 16 Configurable Po	10000 12500 10000 12500 16 20 Configurable Power Factor, 13500 16850 16.5 21 7 97.6 97.7	10000 12500 15000 10000 12500 15000 16 20 23 3 / N / PE (W. Configurable Power Factor, 13500 16850 20250 16.5 21 22 700kΩ Sensitivity 98 97.6 97.7 97.6 < 2.5 RS485, Ethernet, ZigBee (op 1000V / 23A	10000 12500 15000 16000 10000 12500 15000 16000 400 / 230 184 - 264.5 50/60 ± 5 16 20 23 25.5 3 / N / PE (WYE with Neutra Configurable Power Factor, 13500 16850 20250 21600 Yes 375 415 750 830 16.5 21 22 23 Yes 700kΩ Sensitivity 98 97.6 97.7 97.6 97.7 < 2.5 RS485, Ethernet, ZigBee (optional), Wi-Fi (continuous) 1000V / 23A	10000 12500 15000 16000 17000 10000 12500 15000 16000 17000 400 / 230 184 - 264.5 50/60 ± 5 16 20 23 25.5 26 3 / N / PE (WYE with Neutral); 230 / 400 Configurable Power Factor, Yes 13500 16850 20250 21600 22950 Yes 375 415 750 830 16.5 21 22 23 23 Yes 700kΩ Sensitivity 98 97.6 97.7 97.6 97.7 97.7 < 2.5 RS485, Ethernet, ZigBee (optional), Wi-Fi (optional), Cellulation (Configuration) (Configu	10000 12500 15000 16000 17000 24950 10000 12500 15000 16000 17000 24950 400 / 230 184 - 264.5 50/60 ± 5 16 20 23 25.5 26 38 3 / N / PE (WYE with Neutral); 230 / 400 Configurable Power Factor, Yes 13500 16850 20250 21600 22950 33750 Yes 375 415 750 830 16.5 21 22 23 23 37 Yes 700kΩ Sensitivity 350kΩ S	10000 12500 15000 16000 17000 24950 27600 10000 12500 15000 16000 17000 24950 27600

⁽¹⁾ These specifications apply only to inverters with part numbers SExxK-AU000NNU2



^{|2|} These specifications apply only to inverters with part number SE10K-AU002NNU2
|3| Where permitted by local regulations
|4| Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: http://www.solaredge.com/groups/support/downloads

⁽⁵⁾ For power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf