## Three Phase Inverters for the 277/480V Grid For North America

SE20KUS / SE30KUS / SE33.3KUS / SE40KUS



## The best choice for SolarEdge enabled systems

- Specifically designed to work with power optimizers
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Fixed voltage inverter for superior efficiency (98.5%) and longer strings
- Built-in type 2 DC and AC Surge Protection, to better withstand lightning events
- Small, lightest in its class, and easy to install outdoors or indoors on provided bracket

- Integrated arc fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12
- Built-in module-level monitoring with Ethernet, wireless or cellular communication for full system visibility
- Integrated Safety Switch
- / UL1741 SA certified, for CPUC Rule 21 grid compliance



## / Three Phase Inverters for the 277/480V Grid<sup>(1)</sup> For North America

## SE20KUS / SE30KUS / SE33.3KUS / SE40KUS

SE20KUS	SE30KUS	SE33.3KUS	SE40KUS		
SEXXK - USXXXBXXX SEXXK-USX8IXXXX		x	UNITS		
20000	30000	33300	40000	W	
20000	30000	33300	40000	VA	
4W + PE		3W + PE, 4W + PE			
244 - 277 - 305			Vac		
422.5 - 480 - 529			Vac		
59.3 - 60 - 60.5			Hz		
24	36.25	40	48.25	Aac	
		1	l	А	
Yes					
≤ 3			%		
	+/- 0	.85 to 1			
27000	45000	E0000	60000	W	
27000			80000	VV	
			Vdc		
				Vdc	
26.5			40.25		
	36.25		48.25	Adc	
33				Adc	
,					
				%	
<3	<4			W	
	2 x RS485, Etherne	et, Cellular (optional)			
With the SetApp mobile application using built-in access point for local connection					
Integrated, User Configurable (According to UL1699B)					
NEC2014, NEC2017 and NEC2020 compliant/certified					
	Supplied with th	e inverter, Built-in			
Type II, field replaceable, optional					
-	Type II, field replaceable, Built-in				
-	25A, Built-in				
	Export	Limitation			
J					
	Inte	grated			
		•		1	
UL1741. UL1741 SA	. UL1699B. CSA C22	2. Canadian AFCI accor	ding to T.I.L. M-07		
	i ee pui				
3/4" minimum /		¾″ or 1″ / 6 - 10 AWG			
12-0 AWG	<sup>3</sup> /4" or 1" / 6 - 12 AWG				
2					
30.5 x 12.5 x 10.5 /	31.8 :	4 31.8 x 12.5 x 11.8 / 808 x 317 x 300		in / mm	
		78 2 / 25 5		lb / ka	
			lb / kg		
Fans (user replaceable)			15.4		
. 50					
< 50	101 110			dBA	
< 50		< 62 / -40 to +60 <sup>(4)</sup> MA 3R		°F / °C	
	SEXXK - USXXXBXXX         20000         20000         4W + PE         24         24         25000         24         26.5         33         1MΩ Sensitivity         98         <3	SEXXK - USXXXBXXX         30000           20000         30000           20000         30000           4W + PE         244 - 2           422.5 - 59.3 -         422.5 -           24         36.25           -         -           27000         45000           -         -           27000         45000           -         -           26.5         36.25           33         -           1MΩ Sensitivity         -           98         -           <3	SEXXK - USXXXBXXX         SEXXK-USX8IXXXX           20000         30000         33300           20000         30000         33300           20000         30000         33300           4W + PE $3W + PE, 4W + PE$ 244 - 277 - 305         422.5 - 480 - 529           59.3 - 60 - 60.5         24         36.25         40           1         Yes         53.3         40           27000         45000         50000         50000           27000         45000         50000         26.5           26.5         36.25         40         33           55         Yes         1000           26.5         36.25         40         33           53         Yes         1           1MΩ Sensitivity         167kΩ Sensitivity <sup>30</sup> 98           98         98.5         3           <3	SEXXK         SEXXK-USX8IXXXX           20000         30000         33300         40000           20000         30000         33300         40000           40000         33300         40000           4W + PE         3W + PE, 4W + PE         244 - 277 - 305           422.5 - 480 - 529         53.3 - 60 - 60.5         1           24         36.25         40         48.25           1         -         -         -           27000         45000         50000         60000           27000         45000         50000         60000           27000         45000         50000         60000           27000         45000         50000         60000           27000         45000         50000         60000           27000         45000         50000         60000           26.5         36.25         40         48.25           33         55         -         -         -           1MQ Sensitivity         167kQ Sensitivity <sup>18</sup> 98         98.5           33         <4	

(1) For 120/208V inverters refer to: https://www.solaredge.com/sites/default/files/se-three-phase-us-inverter-208V-setapp-datasheet.pdf
 (2) For other regional settings please contact SolarEdge support
 (3) Where permitted by local regulations
 (4) For power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf