

/ Three Phase Inverter with Synergy Technology

USA Domestic Content Eligible for North America

SE50KUS / SE80KUS / SE100KUS / SE110KUS / SE120KUS

Preliminary Specifications⁽¹⁾

Applicable to inverters with part numbers		USE-DBL- USxxIBNxx	USE-TRI-USxxIBNxx				UNITS
Model Number		SE80KUS	SE50KUS	SE100KUS	SE110KUS	SE120KUS	
INSTALLATION SPECIFICATIONS							
Number of Synergy Units per Inverter		2	3				
AC Maximum Conduit Size		2 ½"					in
AC Maximum Conductor Size Line / PE		4/0 AWG / 1/0 AWG					
DC Maximum Conduit Size		1 x 3"; 2 x 2"					in
Inverter Unit / Synergy Manager	Multi-input (fuse-less) ⁽⁶⁾ (SE-xxx-USxxlxxSx)	6 / 3 pairs; 6 – 12 AWG	9 / 3 pairs; 6 – 12 AWG				
	Combined input (fuse-less) (SE-xxx-USxxlxxWx)	2 pairs / 1 pair, 2 – 4 AWG; copper or aluminum	3 pairs / 1 pair, 2 – 4 AWG; copper or aluminum				
Dimensions (H x W x D)		Synergy Unit: 22 x 12.9 x 10.75 / 558 x 328 x 273 Synergy Manager: 14.17 x 22.4 x 11.6 / 360 x 569 x 295					in / mm
Weight		Synergy Unit: 70.4 / 32 Synergy Manager: 29.6 / 18					lb / kg
Operating Temperature Range		-40 to +140 / -40 to +60					° F / °C
Cooling		Fan (user replaceable)					
Noise		< 67					dBA
Protection Rating		NEMA 3R					
Mounting		Brackets provided					

(6) Fusing is not included with the multi-input version of the Synergy Manager.

(7) For power derating information, see the [Temperature Derating](#) technical note for North America.

