StorEdge®
Three Phase Inverter

SE5K-RWS / SE7K-RWS / SE8K-RWS / SE10K-RWS

STOREDGE®

Ideal solution for three phase installations with battery storage

- Simple installation with single inverter for managing both PV production and battery storage
- More energy using DC-coupled solution architecture that stores PV power directly to the battery without AC conversion losses
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Designed to eliminate high voltage during installation, maintenance or firefighting for enhanced safety
- Built-in module-level monitoring and full visibility of battery status, PV production, and self-consumption data
- Allows connection of low voltage 48V batteries from multiple battery vendors to provide greater flexibility

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Applicable for inverters with part number	SEXK-XXS48XXXX				
	SE5K-RWS	SE7K-RWS	SE8K-RWS	SE10K-RWS	
OUTPUT					
Rated AC Power Output	5000	7000	8000	10000	VA
Maximum AC Power Output	5000	7000	8000	10000	VA
AC Output Voltage — Line to Line / Line to Neutral (Nominal)	380/220 ; 400/230				Vac
AC Output Voltage — Line to Neutral Range	184 - 264.5				Vac
AC Frequency	50/60 ± 5				Hz
Maximum Continuous Output Current (per Phase)	8	11.5	13	16	A
Residual Current Detector / Residual Current Step Detector	300 / 30				mA
Grids Supported — Three Phase	3 / N / PE (WYE with Neutral)				
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes				
INPUT PV					
Maximum DC Power (Module STC)	6750	9450	10800	13500	W
Transformer-less, Ungrounded	Yes				
Maximum Input Voltage	900				Vdc
Nominal DC Input Voltage	750				Vdc
Maximum Input Current	8.5	12	13.5	16.5	Adc
Reverse-Polarity Protection	Yes				
Ground-Fault Isolation Detection	700kΩ Sensitivity				
Maximum Inverter Efficiency	98				%
European Weighted Efficiency	97.3	97.4	97.6		%
INPUT BATTERY					
Supported Battery Types	LG Chem RESU3.3, RESU6.5, RESU10, RESU13 BYD Battery-Box LV 3.5, 7.0, 10.5, 14.0 BYD Battery-Box Premium LVS 4.0, 8.0, 12.0, 16.0, 20.0, 24.0				
Number of Batteries per Inverter	1				
Maximum DC Power	5000				W
Input Voltage Range	40-62				Vdc
Maximum Continuous Input Current	130				Adc
Peak Battery to Grid discharge Efficiency	96.1				%
Battery Communication	CAN				
ADDITIONAL FEATURES					
Supported Communication Interfaces	2 x RS485, Ethernet, ZigBee communications for Smart Energy(1), Wi-Fi(2), Built-in cellular (optional)				
STANDARD COMPLIANCE					
Safety	IEC-62109				
Grid Connection Standards(3)	VDE 0126-1-1, VDE-AR-N-4105, G98 / G99				
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12				
RoHS	Yes				
INSTALLATION SPECIFICATIONS					
AC Output – Cable Gland Diameter	15 - 21				mm
Battery DC – Cable Gland Diameter	2 x 8-11				mm
PV DC Input	2 x MC4 pair				
Dimensions (H x W x D)	853 x 316 x 193				mm
Weight	37				kg
Operating Temperature Range	-40 to +60				˚C
Cooling	Internal and external fans				
Noise	< 50				dBA
Protection Rating	IP65 — outdoor and indoor				
Mounting	Brackets provided				

(1) For more information refer to: https://www.solaredge.com/sites/default/files/se-zigbee-plug-in-wireless-communication-for-setapp-datasheet.pdf
(2) Wi-Fi connectivity requires an external antenna. For more information refer to: https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf
(3) For all standards refer to Certifications category in Downloads page: http://www.solaredge.com/groups/support/downloads

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