Appendix to CB Certificate Ref. No. SG ITS-37987

Ratings and principal characteristics

Model	ELS3K	ELS3K6	ELS4K
PV			
Max. PV voltage	580Vd.c.		
PV voltage range	100-550Vd.c.		
Nominal input voltage	360Vd.c.		
Max. input current	16Ad.c.		16*2Ad.c.
Isc PV	19.2Ad.c.		19.2*2Ad.c.
Max. input power	4500W	5400W	6000W
Number of MPPT	1		2
Battery			
Battery type	Lithium-ion/Lead-acid		
Nominal voltage	48Vdc		
Battery voltage range	42-63Vdc		
Max. charge/discharge power	3kW	3.6kW	4kW
Max. charge/discharge current	75Ad.c.	80Ad.c.	85Ad.c.
Grid			
Nominal Input/Output voltage	230Va.c.		
Nominal Frequency	50/60Hz		
Max. output/input current	13/28.6Aa.c.	16/35.2Aa.c.	17.3/38.2Aa.c.
Max. output power	3000VA	3680VA	4000VA
Power factor	0.8 leading – 0.8 lagging		
Back-up			
Rated voltage	230Va.c.		
Rated frequency	50/60Hz		
Nominal output current	13Aa.c.	16Aa.c.	17.3Aa.c.
Nominal output power	3000VA	3680VA	4000VA
Power factor	1.0		
General information			
Protective Class	Class I		
Ingress protection	IP65		
Operating Temperature	-30℃ – 60℃		
Software version	V1.000		

Model	ELS4K6	ELS5K	ELS6K
PV			
Max. PV voltage	580Vd.c.		
PV voltage range	100-550Vd.c.		
Nominal voltage	360Vd.c.		
Max. input current	16*2Ad.c.		
Isc PV	19.2*2Ad.c.		
Max. input power	6900W	7500W	9000W
Number of MPPT	2		
Battery			
Battery type	Lithium-ion/Lead-acid		
Nominal voltage	48Vd.c.		
Battery voltage range	42-63Vd.c.		
Max. charge/discharge power	4.6kW	5kW	6kW
Max. charge/discharge current	100Ad.c.	110Ad.c.	120Ad.c.
Grid			
Nominal Input/Output voltage	230Va.c.		
Nominal Frequency	50/60Hz		
Max. output/Input Current	20/43Aa.c.	21.7/47.8Aa.c.	26/55Aa.c.
Max. output power	4600VA	5000VA	6000VA
Power factor	0.8 leading – 0.8 lagging		
Back-up			
Rated voltage	230Va.c.		
Rated frequency	50/60Hz		
Nominal output current	20Aa.c.	21.7Aa.c.	26Aa.c.
Nominal output power	4600VA	5000VA	6000VA
Power factor	1.0		
General information			
Protective Class	Class I		
Ingress protection	IP65		
Operating Temperature	-30℃ – 60℃		
Software version	V1.000		



Date: 09 January 2025 Signature: Ong Keng Chuan