		SUN-HES-L-400 (Cabinet) + 1÷6 x SUN-HES-MOD50 (Power modules)				
Parameters		100 kW	150 kW	200 kW	250 kW	300 kW
Efficiency						
Max efficiency	Disch.	97.9 %	98.1 %	98.1 %	98.2 %	98.2 %
	Charg.	97.7 %	97.8 %	97.9 %	97.9 %	97.9 %
Typical efficiency	Disch.	97.5 %	97.6 %	97.7 %	97.7 %	97.7 %
	Charg.	97.2 %	97.4 %	97.5 %	97.5 %	97.5 %
Main Auxiliary Voltage						
Rated voltage		400 V 3ph+N (360÷440V)				
Rated frequency		50 Hz (45÷55Hz)				
Main Auxiliary consumption						
Max PCS control circuits consumption		76 W / 110 VA				
Consumption during operation (W/o heating)		450 W / 1130 VA				
Consumption on standby (W/o heating)		150 W / 850 VA				
Max PCS heating consumption (extreme climatic conditions)		3.0 kW				
PCS auxiliary rated current (w/o battery racks)		5.7 A				
Max CATL battery control circuits consumption		216 W / 516 VA (No. 6 racks)				
Max CATL battery heating/cooling consumption (extreme climatic conditions)		3.0 kW per rack (Max. No. 6 racks)				
PCS auxiliary rated current (with battery racks)		8.7 A + 4.3 A x No. racks				

General data	
Operating ambient temperature	-20 °C to +45 °C +45 °C to +60 °C with power derating
Storage temperature	-20 °C to +60 °C
Relative humidity	4 % to 100 % non-condensing
Cooling/heating system	Air forced, smart cooling/heating
Acoustic noise at 1 m	64.8 dB
Altitude	Max 1000 m, >1000m with derating (Contact Socomec team)
Pollution class in accordance with UL 840 and IEC 60664-1	Pollution class 3
Over Voltage Category (OVC) in accordance with EN 61558	OVC IV
Enclosure rating	NEMA 3R / IP55
Environmental category	Outdoor Class C3

Certifications	
Safety	EN IEC 62909-1:2018 / BS EN IEC 62909-1:2018 Bi-directional grid-connected power converters –Part 1: General requirements
	EN 62477-1:2012/A1:2017 Safety requirements for power electronic converter systems and equipment - Part 1: General
EMC	EN 61000-6-2:2005 + AC:2005 / EN IEC 61000-6-2:2019 / BS EN IEC 61000-6-2:2019 Generic standards –Immunity for industrial environments
	EN 61000-6-4:2007 + A1:2011; EN 61000-6-4 :2019 / BS EN 61000-6-4:2007 + A1:2011 / BS EN IEC 61000-6-4 :2019 Generic standards - Emission standard for industrial environments
	ETSI EN 301 489-1 (V.2.2.0):2017 Electromagnetic Compatibility (EMC) standard for radio equipment and services Part 1: Common technical requirements
	ETSI EN 301 489-52 (V.1.1.2):2020 Electromagnetic Compatibility (EMC) standard for radio equipment and services Part 52: Specific conditions for Cellular Communication Mobile and portable (UE) radio and ancillary equipment
Grid Code	Grid code compatibility is continuously being upgraded. Please contact SOCOMEC for current grid code compatibility.
Other standards	BS EN IEC 63000:2018-12 / EN 60068-2-30:2015 Environmental testing Part 2: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)
Product marks	CE - UKCA