

UNIVERSUS LFP



Environmental condition

	Parameter	Value	
Ambient temperature	Charging	-20°C ÷ +55°C	
	Discharging	-20°C ÷ +55°C	
	Storage	-30°C ÷ +60°C	
Conditions	Operating/storage humidity (No Condensation)	Up to 95%RH	
	Operating/storage atmospheric pressure	70 ÷ 106.6 kPa	Up to 3000 m

Battery Pack Parameters:

	Parameter	S – Pack	M – Pack	L – Pack
	Cell chemistry	LFP	LFP	LFP
	Configuration of cells	52s 1p	68s 1p	104s 1p
Energy	Nominal	20,3	26,5	40,6
	Usable for SOC 5-100%	19,2	25,1	38,5
	Energy density	150 Wh/kg	153 Wh/kg	160 Wh/kg
Capacity	Rated capacity	122 Ah	122 Ah	122 Ah
	Usable capacity (SOC 5-100%)	115,9 Ah	115,9 Ah	115,9 Ah
Voltage	Minimal operating	130 V	170 V	260 V
	Minimal operating (SOC 5%)	130 V	170 V	260 V
	Nominal operating	166,4 V	217,6 V	332,8 V
	Maximal operating (SOC 100%)	190 V	248 V	380 V
	Maximal operating	190 V	248 V	380 V
Current	Discharge continuous	200 A	200 A	200 A
	Discharge pulse @10 sec.	350 A	350 A	350 A
	Charge continuous	200 A	200 A	200 A
	Charge pulse @10 sec.	350 A	350 A	350 A
Other	Recommended SOC operation range	10-100%	10-100%	10-100%
	Degrees Of Protection Provided by Enclosure	IP6K9K	IP6K9K	IP6K9K
	Withstand voltage	1 kVDC	1 kVDC	1 kVDC
	Dimensions (L x W x H)	890x670x140	1090x670x140	1690x670x140
Low voltage installation	BMS supply voltage	24 VDC	24 VDC	24 VDC
	BMS supply voltage range	18-32 VDC	18-32 VDC	18-32 VDC
	Communication interface	CAN 2.0 bus	CAN 2.0 bus	CAN 2.0 bus