

UNIVERSUS NMC



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	NMC	NMC	NMC
	Configuration of cells	42s1p	50s1p	84s1p
Energy	Nominal	26,7 kWh	31,7 kWh	53,3 kWh
	Usable for SOC 5-95%	24,0 kWh	28,5 kWh	47,8 kWh
	Energy density	190,7 Wh/kg	193,4 Wh/kg	201,24 Wh/kg
Capacity	Rated capacity	168,4 Ah	168,4 Ah	168,4 Ah
	Usable capacity (SOC 5-95%)	151,56 Ah	151,56 Ah	151,56 Ah
Voltage	Minimal operating	117 V	140 V	235 V
	Minimal operating (SOC 5%)	117 V	140 V	235 V
	Nominal operating	158,3 V	188,5 V	316,7 V
	Maximal operating (SOC 95%)	185 V	220 V	370 V
	Maximal operating	185 V	220 V	370 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 – 90%	10 – 90%	10 – 90%
	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	18 – 32 VDC	18-32 VDC	18 – 32 VDC
	BMS supply voltage range	24 VDC	24 VDC	24 VDC
	Communication interface	CAN 2.0 bus	CAN 2.0 bus	CAN 2.0 bus