



VP-B 480 High-Power Battery Pack

Power Battery System For EV



High energy density and long cycle life

- + Volumetric energy density: 480Wh/L
- + Exceeding 5000 cycles
- + 1C charging rate & 2C discharging rate



Adapt to various applications

- + Wide voltage range for system configuration
- + Standardized pack
- + Multi-stream extension



High reliability and safety

- + Pack with strong shock resistance and impact resistance
- + BMS complies with ISO 26262
- + Excellent thermal management technology
- + Protection class: IP68



Fast delivery

- + 4 weeks

SYSTEM TECHNICAL SPECIFICATIONS & CHARACTERISTICS

VP-B 480 High-Power Li-ion NCM Battery System

PHYSICAL SPECIFICATIONS	CONDITIONS	UNIT	CELL	CONFIGURATION			
				2P72 S	3P48 S	4P36 S	5P28 S
VOLTAGE							
Nominal		V	3.7	266.4	177.6	133.2	103.6
ENERGY / CAPACITY							
Nominalenergy	C/3,BOL, @25 °C	KWh	0.198	28.5	28.5	28.5	27.71
Nominalcapacity	C/3,BOL, @25 °C	Ah	53.5	107	160.5	214	267.5
POWER							
Continuous power in charge	SOC50%,@25 °C	kW	0.198	28.5	28.5	28.5	25.9
Continuous power in discharge			0.396	57.01	44.4	33.3	25.9
Peak power in charge 10s	SOC50%,@25 °C	kW	0.594	71.26	47.51	35.63	27.71
Peak power in discharge 10s			0.792	106.89	71.26	53.45	41.57
CURRENT							
Continuous current in charge	SOC50%,@25 °C	A	53.5	107	160.5	214	250
Continuous current in discharge			107	214	250	250	250
Peak current in charge 10s	SOC50%,@25 °C	A	160.5	267.5	267.5	267.5	267.5
Peak current in discharge 10s			214	401.25	401.25	401.25	401.25
ENERGY							
Weight energy density	–	Wh/kg	230	169	169	169	167
Volume energy density	–	Wh/L	480	230	230	230	224
MECHANICAL CHARACTERISTICS							
Weight		kg	0.85	169	169	169	165
Height		mm	204	660	660	660	660
Width		mm	7	247	247	247	247
Depth		mm	290	760	760	760	760

SOC : State Of Charge BOL : Beginning Of Life