



## VP-C 380 High-Power Battery Pack

### Power Battery System For EV



High energy density and long cycle life

- + Volumetric energy density: 380 Wh/L
- + Exceeding 7000 cycles
- + 3C charge & discharge 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 comply with ISO26262
- + Highly efficient three-sided cooling system
- + Ingress Protection Rating: IP68



Fast delivery

- + 4 weeks

## SYSTEM TECHNICAL SPECIFICATIONS &amp; CHARACTERISTICS

## VP-C 380 High-Power Li-ion NCM Battery System

| PHYSICAL SPECIFICATIONS                            | CONDITIONS      | UNIT  | CELL  | CONFIGURATION |
|----------------------------------------------------|-----------------|-------|-------|---------------|
|                                                    |                 |       |       | 3P92S         |
| VOLTAGE                                            |                 |       |       |               |
| Nominal                                            |                 | V     | 3.7   | 340.4         |
| ENERGY /CAPACITY                                   |                 |       |       |               |
| Nominal energy                                     | C/3,BOL, @25 °C | KWh   | 0.07  | 19.4          |
| Nominal capacity                                   | C/3,BOL, @25 °C | Ah    | 19    | 57            |
| POWER                                              |                 |       |       |               |
| Continuous power in charge                         | SOC50%,@25 °C   | kW    | 0.21  | 9.6           |
| Continuous power in discharge                      |                 |       | 0.21  | 9.6           |
| Peak power in charge 10s                           | SOC50%,@25 °C   | kW    | 0.56  | 232.83        |
| Peak power in discharge 10s                        |                 |       | 7     | 255.3         |
| CURRENT                                            |                 |       |       |               |
| Continuous current in charge                       | SOC50%,@25 °C   | A     | 57    | 28.2          |
| Continuous current in discharge                    |                 |       | 57    | 28.2          |
| Peak current in charge 10s                         | SOC50%,@25 °C   | A     | 152   | 683.99        |
| Peak current in discharge 10s                      |                 |       | 190   | 750           |
| ENERGY                                             |                 |       |       |               |
| Weight energy density                              | –               | Wh/kg | 203   | 137.8         |
| Volume energy density                              | –               | Wh/L  | 380   | 171.4         |
| MECHANICAL CHARACTERISTICS                         |                 |       |       |               |
| Weight                                             |                 | kg    | 0.347 | 140.77        |
| Height                                             |                 | mm    | 204   | 660           |
| Width                                              |                 | mm    | 290   | 1060          |
| Thickness                                          |                 | mm    | 7     | 245           |
| SOC : State Of Charge      BOL : Beginning Of Life |                 |       |       |               |