

# 30 Series NMC 304 Battery

Energy & Power Optimized Battery Pack

## SYSTEM FEATURES

- ✦ Power and Energy optimized
- ✦ Cycle Life Expectancy > 2500 Cycles
- ✦ Liquid Thermal Management
- ✦ Integrated BMS and CAN 2.0A Controlled
- ✦ Integrated Precharge and Isolation Measurement
- ✦ Parallel Topology for Multiple Packs in One Vehicle
- ✦ Development according to ECER100.2, ECER10 and UN38.3 - possible
- ✦ Development according to ISO26262 upto ASIL C - possible



**BATTERY PACK SPECIFICATIONS**

| ELECTRICAL DATA              | VALUE     | UNIT   |
|------------------------------|-----------|--------|
| Cell Type                    | NMC       |        |
| Energy (Installed / Usable)  | 35.5 / 32 | kWh    |
| Capacity                     | 100       | Ah     |
| Nominal Voltage              | 355       | V      |
| Voltage - min. / max         | 269- 403  | V      |
| Charge Power Cont.           | 35        | kW     |
| Charge Power Peak @10s       | 42        | kW     |
| Discharge Power Cont.        | 35        | kW     |
| Discharge Power Peak @10s    | 105       | kW     |
| Cycle Life Expectancy @80DOD | > 2500    | Cycles |

| MECHANICAL DATA                    |                  |     |
|------------------------------------|------------------|-----|
| Pressure drop @10l/min and 25°C    | < 0.5            | bar |
| Operating Temp. during discharging | -30 ~ 55         | °C  |
| Protection classes                 | IP67             |     |
| Weight                             | 280 ± 10         | kg  |
| Dimension                          | 1310 x 650 x 285 | mm  |

**SYSTEM OPTION 1**

**Vehicle PDU**

HV Distribution



**SYSTEM OPTION 2**

**Battery System PDU**

2-8 Parallel Battery Pack



**DIMENSIONS**

