

# EV Technical Data Sheet

Model	PST-1.44kWh
Battery Chemistry	LiFePo4
Cell Type	Cylindrical
Capacity	30Ah
Nominal Voltage	48v
Operating Voltage	40.5v – 54v
Total Energy	1.44kwh
Dimensions L/W/H	407x120x189 (mm)
Weight	14kg
Charge Current	0.5C Rate Charging (15A)
Discharge Current	1C Rate Discharge (30A)
Depth of Discharge (DOD)	90%
For Mobile Interface	Bluetooth (Optional)
Communication	RS 485/CAN 2.0/BT (Optional)
IP Rating	IP54
Operating Temperature	0 – 55 °C
Storage Temperature	0 – 35 °C
Cycle Life	≥3000 (25 °C, 0.5 C Chg. & Dis chg., 70% EOL)
Applications	Electric Scooters, Electric Bikes, E-Rickshaws, Lightweight EV Platforms
Warranty Period	Manufacturing warranty of battery pack is 3 years or 3000 cycle life whichever comes first due for warranty