

SMART HESS SOLUTION

-- Lithium Battery Pack

▶ VE48100E-P2



▶ Product Features



High rate charge/discharge current @ 100A



Most safety LiFePO4 as cathode material



Long cyclic life-6000 cycles (80% DOD)
15 years design life



Free maintenance
Easy installation



Modular design
Easy expandability



Self-designed BMS
International design certification

▶ International Design Certification



ISO 9001



ISO 14001



IEC 62619



IEC 62620



CE



UL 1973



UL 1642



UN38.3

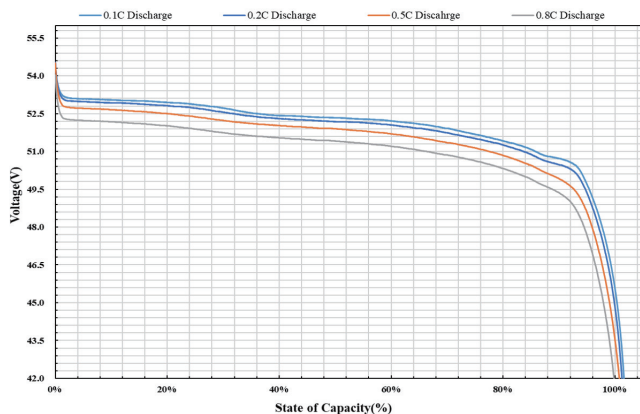


▶ TECHNICAL SPECIFICATIONS

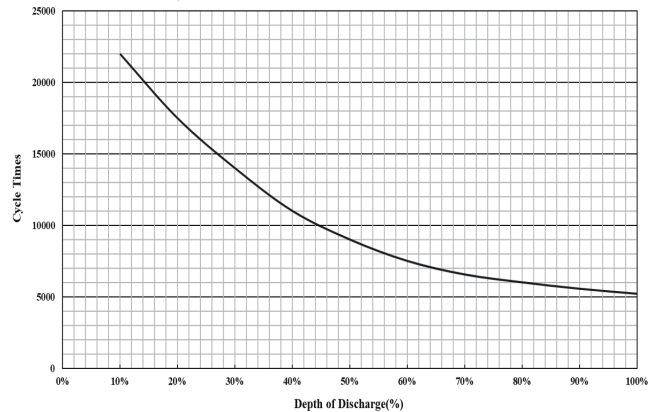
Model	VE48100E-P2
Nominal Capacity	100Ah@0.2C, 25°C
Nominal Voltage	51.2V
Nominal Energy	5.12kWh@0.2C, 25°C
Charge Voltage	57.6V
Standard Charge Current	20A@25°C
Max Continuous Charge Current	100A@25°C
Standard Discharge Current	20A@25°C
Max Continuous Discharge Current	100A@25°C
Discharge Cut-off Voltage	42V
Dimensions (W*D*H)	445*400*130 mm
Weight	Approx. 41kg
Operating Temperature	Charge: 0~+60°C Discharge: -20~+60°C
Allowed Humidity Range	≤95% RH
IP	IP20

▶ TECHNICAL CURVES

Discharge curve at different current under 25°C



Cycle Times vs. DOD in HESS Scenario at 35°C



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