

# Residential Li-ion Battery

## TU-48200ESS



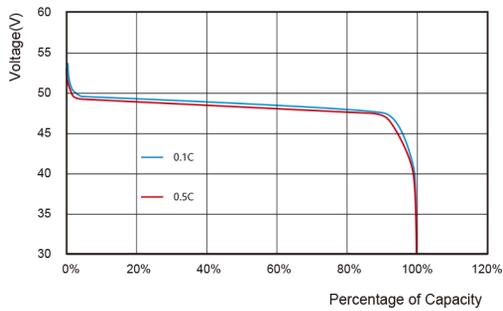
TU-48200ESS is a powerful 48V LiFePO<sub>4</sub> battery system designed specially to provide backup power energy storage solutions. Its modular design allows parallel installation to meet the greater demand for power backup.

-  High energy density
-  Easy to install and upgrade
-  High operational reliability
-  Optimizing monitoring strategy via remote control/diagnostics
-  Ultra long cycle life
-  Built-in intelligent battery management system protects the battery pack and prolongs its service life

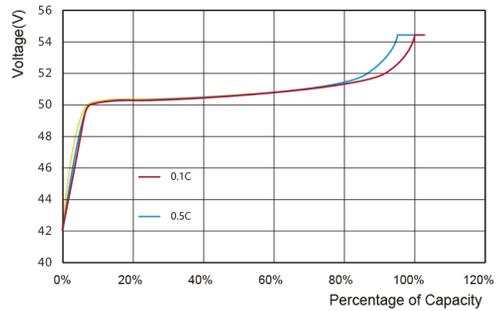
## Discharge Data

Constant Current Discharge Data (25°C)							
Voltage/V	Current/A	0.1C	0.2C	0.3C	0.4C	0.5C	0.6C
	Time/h						
45.0		9.560	4.902	3.283	2.442	1.943	1.601
43.5		10.017	4.993	3.339	2.475	1.978	1.634
42.0		10.094	5.041	3.374	2.517	2.008	1.654
40.5		10.201	5.090	3.390	2.533	2.021	1.674

# Performance Curve



Discharging Curves at Different Rates (25°C)



Charging Curves at Different Rates (25°C)

# Specification

Nominal Voltage	51.2V(16S2P Module)
Nominal Capacity	200Ah
Continuous Discharge Power	10240W
Cycle Life	≥6000 Cycles
Monthly Self-discharge	≤3.0%
Communication Interface	RS485/CAN
Charge Voltage	57.6V
Max. Charge Current	150A
Max.Continuous Current	150A
Discharge Cut-off Voltage	43.2V
Charge Temperature	0°C ~ 55°C
Discharge Temperature	-20°C ~ 60°C ≤95%
Storage Temperature	0°C ~ 40°C ≤85%
Dimensions	440*550*181mm
Weight	81Kg ± 2Kg



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