









Na⁺

Advantages

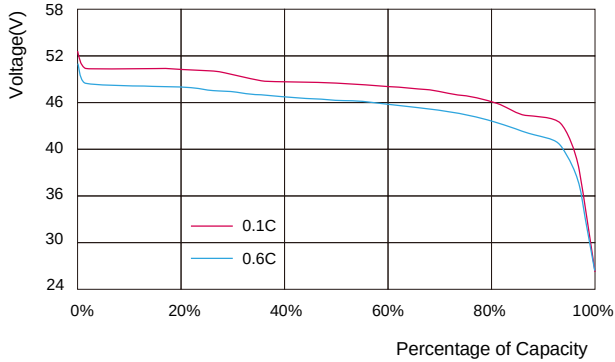
-  Ultra long cycle life
-  High energy density
-  Easy to install and upgrade
-  High operational reliability
-  Optimizing monitoring strategy via remote control/diagnostics
-  Built-in intelligent battery management system protects the battery pack and prolongs its service life

48V160Ah is a powerful 48V Sodium-ion battery system designed specially to provide power backup for remote or outdoor telecom sites, off-grid, on-grid and residential energy storage applications. Its modular design allows parallel installation to meet the greater demand for power backup.

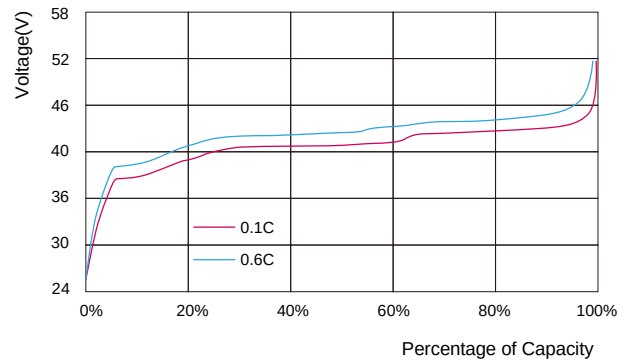
Discharge Data

Constant Current Discharge Data (25°C)							
Voltage/V	Current/A	0.1C	0.2C	0.3C	0.4C	0.5C	0.6C
	Time/h						
55.2		9.560	4.902	3.283	2.442	1.943	1.601
48.0		10.017	4.993	3.339	2.475	1.978	1.634
32.0		10.094	5.041	3.374	2.517	2.008	1.654
24.0		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	45.76V (1P16S)
Nominal Capacity	160Ah
Continuous Discharge Power	7322W
Cycle Life	≥10000 Cycles
Monthly Self-discharge	≤3.0%
Communication Interface	RS485/CAN
Charge Voltage	55.2V
Max. Charge Current	160A
Max. Continuous Current	200A
Discharge Cut-off Voltage	24V
Charge Temperature	0°C~60°C
Discharge Temperature	-40°C~60°C ≤95%
Storage Temperature	0°C~35°C ≤85%
Dimensions (W*D*H)	442*230*720mm±2mm
Weight	95Kg±5Kg
Series Parallel connections	Max. 15

UL19738(Cell)/UL9540A(Cell soon)/PPP 51096A:2023(Cell)/SDS(MSDS)/IEC61000-6-2/3(CE-EMC)/UN38.3