

Lower Cost, More Uptime

The Uptime 24V 160Ah Sodium-ion Battery supplies safe, reliable power to critical outdoor and mobile applications that require 100% uptime year-round.

 **> 85% Capacity Retention at -40°F**

 **No Cobalt, No Lithium**

 **Victron Integration**

 **Connect up to 8 Modules in Parallel**

 **Master Battery Shutdown**

 **5 or 10-Year Warranty***



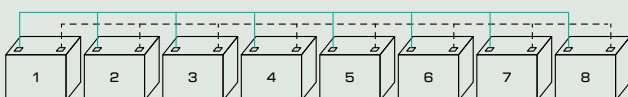
100%
Depth of Discharge

-38°F to 138°F
Rated Temperature

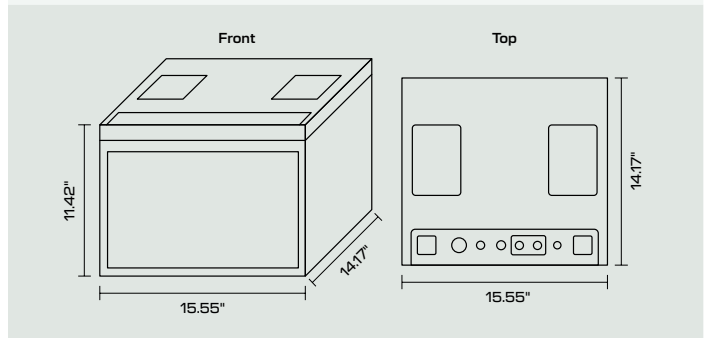
10,000
Full Cycles

Electrical Specifications	
Battery Chemistry	Sodium-ion
Rated Voltage	22.8 V
Operating Voltage	12–27.6V
Rated Capacity	160 Ah
Energy Stored	3.648 kWh
Cycle Life (80A chg/dchg, 85% DoD, 77°F/25°C)	10,000 cycles
Max Depth of Discharge (at 10,000 cycles, SOH is 75%)	100%
Discharge Conditions	
Max Continuous Discharge Current	80 A
Peak Discharge Current	120 A / 15 s
Ambient Discharge Temperature	-38.2°F (-39°C) to 138.2°F (59°C)
Low Voltage Protection	12 V
Charge Conditions	
Charge Voltage	27.2 ~ 28.4V
Max Continuous Charge Current	80 A
Ambient Charge Temperature	-38.2°F (-39°C) to 138.2°F (59°C)
Integrated Heating Rate of increase 0.5°F (0.28°C) / min	350 W
Capacity Retention at Low Temperatures	
32°F (0°C)	> 96%
-40°F (-40°C)	> 85%
Storage Conditions (Battery OFF)	
25°C (77°F) Self-discharge, stored at 20–50% SOC	≤ 1.8% SOC / month
45°C (113°F) Self-discharge, stored at 20–50% SOC	≤ 2.8% SOC / month
Operating Humidity	10% ~ 90% RH

Communication	
Communication Port Terminal: COM plug	CAN bus 250 kb/s
Parallel Communication	Up to 8 pcs
Max. Communicating Capacity	29.184 kWh
Connect up to 8 battery modules	



Mechanical Specifications			
Length	15.55 in (395 mm)	Width	14.17 in (360 mm)
Height	11.42 in (290 mm)	Certifications	UN38.3
IP Protection Rating	IP67	Weight	112.4 lb / 51 kg



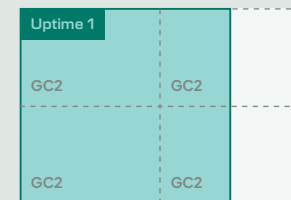
Lead-Acid Drop-In Replacement			
Configuration	Footprint Match	Wh (total)	Weight (total)
4x GC2 Bank	–	~ 2,680 Wh	~ 245 lbs
1x Uptime 160 Ah	75% of 4x GC2 enclosure	3,648 Wh	112 lbs
4x 4D Bank	–	~ 5,904 Wh	~ 572 lbs
2x Uptime 160 Ah	56% of 4x 4D enclosure	7,296 Wh	225 lbs

Published cycle life varies widely by brand/reporting method (e.g. ~750–1,150 cycles @ 50% DoD) vs. Uptime's 10,000 cycles @ 85% DoD

4x GC2 enclosure
1 Uptime 160Ah

36%
more energy

25%
less footprint

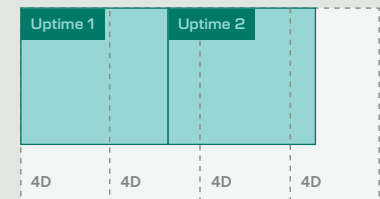


Combined Footprint: 4x GC2

4x 4D enclosure (side by side)
2 Uptime 160Ah

24%
more energy

44%
less footprint



Combined Footprint: 4x 4D

*10-year warranty available with application review process

