

PATHFINDER SERIES

51.2V 100Ah

**Robust Performance & Efficiency**

- High thermal and chemical stability ensures consistent output under demanding conditions
- Fast charge capability and sustained high current support up to 120 A discharge/ 200 A surge
- Built-in heating enables reliable low-temperature operation

Flexible System Expansion

- Modular battery design supports up to 10 units in parallel
- Compact form factor (527×262×342mm), optimized for electric mobility applications
- No series connection needed; easy drop-in for new or retrofit use

Advanced Safety & Protection

- Multi-layer internal protections for over-charge, short-circuit, and thermal runaway
- Certified to UN38.3, CE, ensuring full compliance with international safety standards
- Rated IP67 for excellent waterproof and environmental protection

Smart Connectivity & Compatibility

- Bluetooth (optional), CAN, and RS485 interfaces for seamless integration with leading golf cart platforms
- Real-time data and diagnostics via smart interfaces
- Fully compatible with popular OEM controller systems

Pathfinder Series Technical Parameters

Model	51.2V 100Ah
Nominal voltage	51.2 V
Nominal energy @0.2C	5 120 Wh
Nominal capacity@0.2C	100 Ah
Internal resistance @1kHz AC	<50 mΩ
Allowed MAX. charge current	100 A @25°C
Allowed MAX. discharge current	120 A @25°C
Recommend charge current	50 A
Recommend discharge current	100 A
Peak/Surge current limit	200 A @3s
Short circuit protection	1 000 A @500μs
Charge voltage	56.8 V
Floating voltage	55.2 V
End of discharge	44.8 V
Communication	Bluetooth, CAN and RS485
IP rating	IP67
Cycle life	≥4000 cycles, @25°C, @0.2C, @80%DOD
Weight	≈55.5 kg (122.4 lbs)
Dimensions(W*H*D)	527*262*342 mm (20.7*10.3*13.4 inch)
Parallel and series connection	Support Max. 10 in parallel, Series connection is not allowed
Terminal and torque	M8 bolt 8-12N·M
Operation altitude	< 5000 m
Operation temperature	Charge -20~60°C (-4°F~140°F) , Discharge -20~60°C(-4°F~140°F)
Self-discharge rate (shutdown)	≤3% Per month
Recommended storage temperature	-10°C~40°C (14°F~104°F)
Recommended humidity	5~85% RH
Cetifications	Cell: UN38.3, UL1973

* The actual product may differ slightly from the pictures.

* The specifications are subject to change without prior notice.