KAIXENTEC

kaixentec.com

# 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 200 A discharge/ 350 A surge

## Advanced Safety & Protection

- Multi-layer internal protections for overcharge, 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

## Flexible System Expansion

- Modular battery design supports up to 16 units in parallel
- Compact form factor (478×330×250mm), optimized for electric mobility applications
- No series connection needed; easy drop-in for new or retrofit use

## Smart Connectivity & Compatibility

- Bluetooth, 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

v.2.1

# Pathfinder Series Technical Parameters

| Model | 51.2V 100Ah |
|---|---|
| Nominal voltage | 51.2 V |
| Nominal energy @0.2C | 5120 Wh |
| Nominal capacity@0.2C | 100 Ah |
| Internal resistance @1khz AC | ≤30 mΩ |
| Allowed MAX. charge current | 100 A \| @25°C |
| Allowed MAX. discharge current | 200 A \| @25°C |
| Recommend charge current | 50 A |
| Recommend discharge current | 50 A |
| Peak/Surge current limit | 350 A @5s |
| Short circuit protection | 1 000 A @500μs |
| Charge voltage | 56.8 -58.4 V |
| Floating voltage | 54.4 ~ 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 | ≈52 kg |
| Dimensions(W*H*D) | 478*330*250 mm |
| Parallel and series connection | Support Max. 16 in parallel, Series connection is not allowed |
| Terminal and torque | M8 bolt \| 8-10N·M |
| Operation altitude | < 3000 m |
| Operation temperature | Charge 0~60°C, Discharge -20~60°C |
| Self-discharge rate (shutdown) | ≤3% Per month |
| Recommended storage temperature | -10°C~40°C (≤1 month) *see datasheet |
| Recommended humidity | 5~75% RH |
| Cetifications | UN38.3, IEC62619, CE |

* The actual product may differ slightly from the pictures.
* The specifications are subject to change without prior notice.

Kaixentec B.V.
Brouwerstraat 30, 2984AR Ridderkerk
The Netherlands

kaixentec.com
sales@kaixentec.com
+31 88 888 2994