

ENERGY & POWER SOLUTIONS



PRODUCT DATA SHEET

LITHIUM GOLF CART BATTERY

51.2V, 80Ah, 4096 Wh LiFePO4 — drop-in replacement for lead-acid · 150A continuous · 400A peak · IP67 · RS485 Display



Longer Life. Lighter Weight. Brighter Light.

■ HIGH-PERFORMANCE LIFEPO4 GOLF CART BATTERY

Built specifically for golf carts, this rechargeable LiFePO4 battery is designed as a true drop-in replacement for traditional lead-acid systems. It delivers stronger, more consistent power in a lighter package to improve daily performance and efficiency.

Its long service life and stable CC-CV charging support dependable operation across changing conditions. For smarter day-to-day operation, an optional RS485 Display provides real-time visibility of voltage, current, temperature, state of charge, state of health, and operating status.

KEY BENEFITS

Long Cycle Life
1000+ cycles (≥80%) vs. 300-500 for lead-acid

High Power Output
150A continuous · 400A peak (5s, SOC 80%)

Rugged & Weatherproof
IP67 · -20°C to 45°C discharge range

Smart Monitoring
RS485 Display for real-time voltage, current, SOC & SOH

Safety Protection
UL1642 cells · Overcharge, over-discharge, short-circuit & temperature protection

Drop-In Replacement
16S1P direct swap for lead-acid · 56 kg vs 200+ kg · No cart modifications required

■ TECHNICAL SPECIFICATIONS

SPEC	VALUE
Model / Cell	C00423-029 · LFP 80Ah 16S1P
Capacity / Energy	80Ah 51.2V · 4096 Wh
Charge / Discharge	16A std · 150A max · 400A peak (5s)
Temp / Weight / Size	0-45°C charge · -20-45°C discharge · 56 kg · 514×303×200 mm
IP / Cycle / Comm	IP67 · 1000+ cycles · RS485 Display
Safety / BMS	UL1642 · BMS · Overcharge, Over-discharge, Short-circuit & Temperature Protection · Dedicated Charger Required

USE ENVIRONMENT

-  Golf Carts
-  Utility Carts
-  Industrial
-  Warehousing
-  Off-grid Solar

CONSULTATION AND CUSTOMER SUPPORT

Based in Thailand, our team provides consultation and support for sustainability and lighting solutions across Southeast Asia. Contact us for advice, technical assistance, and project planning.

GET IN TOUCH

P: +66 65 485-5992
E: enquiry@nexus-hub.co
W: www.nexus-hub.co

OUR OFFICE

NEXUS HUB CO., LTD.
288 Soi Sermasuk, Chatuchak Sub-District,
Chatuchak District, Bangkok 10900, Thailand
www.nexus-hub.co
LINE @nexushub · WeChat nexushub_co



COMPANY OFFICIAL WEBSITE