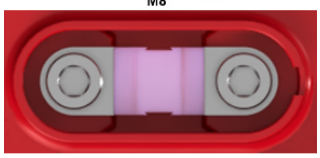
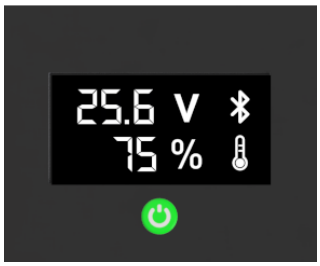
LIFEPO4 LITHIUM BATTERY

G24-40LFP









Series	G-SERIES LFP	Warranty	See Warranty Terms
Volts	24	Design	Grp 24
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	

Charge | Discharge

Charge Voltage Range	28.0 - 29.2V
Recommended End of Discharge Voltage	24.0 V
End of Discharge Protection Voltage	20.0 V
Recommended Charge Voltage	28.8 V
Recommended Charge Current	

0~10°C (32-50°F)	0.2C	8A
10~35°C (50-95°F)	0.5C	20A
35~50°C (95-122°F)	0.2C	8A

Charge Mode:
• Charge at recommend voltage & current by temperature until charge current drops to ≤ 0.05C (CC,CV)
• DO NOT USE TEMPERATURE COMPENSATION
• No BTS (Battery Temperature Sensor)

Max Continuous Charge Current	40 A
Max Continuous Discharge Current	40 A
Peak Discharge Current (10 min)	80 A
Charge Temperature Range	0°C~55°C (32~131°F)
Discharge Temperature Range	-20°~60°C (-4~140°F)
Storage Temperature Range	-5°~45°C (23~113°F)

Capacity

Nominal Capacity	40 AH
Total Energy	1.02 kWh
Nominal Voltage	25.6 V

Designed for Golf, Light EV & Motive Power Applications

Safety

- Cylindrical LiFePO4 cells [ITR26-70/40E 4.0Ah, 26700] (UL1642)
- IEC62133 (cell), IEC62619(cell), UN38.3 (cell/pack)
- ROHS (cell), CE system certification, IP65 Rating

Design

- Standard-size (BCI) ABS container for easy VRLA replacement
- Fast charge/discharge performance
- Up to 2C / 10 minute peak discharge
- Display & integrated controls
- Visual state-of-charge (SOC)
- External fuse access
- Bluetooth Connectivity & dedicated IOS & Android App
- Maintenance-free operation

Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- Balance Protection
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

➦ **24V LFP Profile**

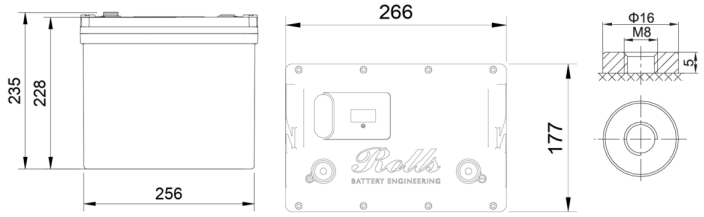
Specifications

Weight	11 kg	24.3 lbs
Length	266 mm	10.47"
Width	177 mm	6.97"
Height	228 mm	8.98"
Height Incl. Term.	234 mm	9.25"

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Container	ABS
Cover	ABS
Handles	Integrated Top Mount
Internal BMS Model	8S100ATX-V2
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	2 UNITS MAX (48V)
Parallel Connection	4 UNITS MAX (48V) or 6 UNITS MAX (24V)
Connectivity	Up to 2S4P (in 48V configuration) or 1S6P (in 24V configuration)

Detailed Illustration



ISO9001 ISO14001 OHSAS18001

Rev.#1 | June 2025