



POWERING **PROGRESS,**
ENERGIZING **LIVES**



**GOLF CART
BATTERY**



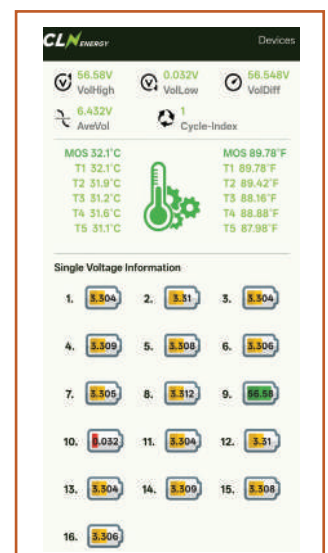
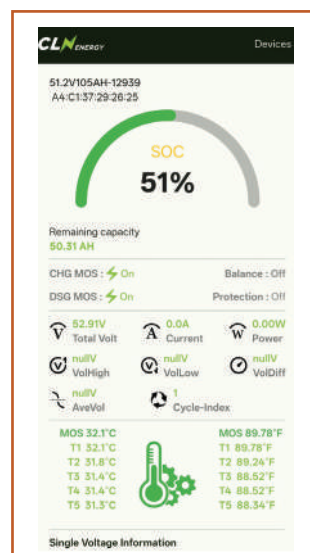
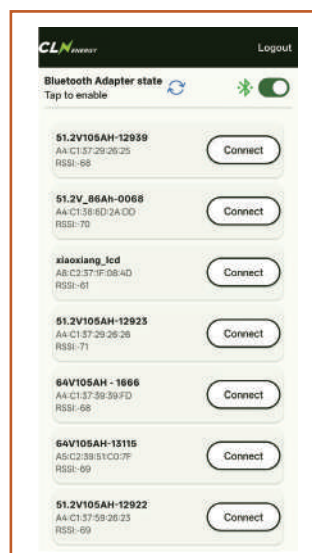
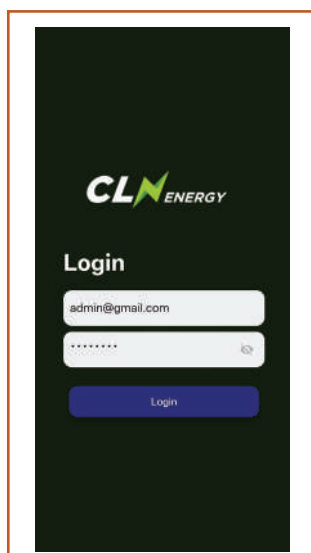
Lithium-Ion: Golf Cart Battery

A high-performance LiFePO₄ battery solution engineered specifically for electric golf carts and low-speed electric mobility applications. Designed for dependable operation, fast charging, long service life and intelligent battery monitoring, the system combines automotive-grade components with an advanced smart BMS for enhanced safety, efficiency and real-time performance tracking.



Product Features

-  Highly Durable Construction
-  Water & Vibration Resistant
-  Smart BMS with Accurate SOC Estimation
-  Communication-Based SOC Indicator
-  AIS 156 Phase 2 / ECE R100 Compliant
-  Fast Charging – Full Charge in Approximately 3 Hours
-  Built-in Data Storage & Remote Troubleshooting
-  Bluetooth & Wi-Fi Connectivity with Real-Time Monitoring
-  Maintenance-Free Operation
-  Long Service Life



Technical Specifications

Model	CLN051100EV
Nominal Voltage (V)	51.2
Capacity (Ah)	100
No. of Cell in Series	16
No. of Cell in Parallel	1
Total No. of Cell	16
Cell Type	Prismatic
Chemistry	LFP
Electrical	
Maximum cut-off voltage (V)	57.6 (-1.6)
Minimum cut-off voltage (V)	44.8 (+1.6)
Charging Voltage (V)	56.0
Charging Mode	CC-CV
Maximum charging current (A)	40.0
Maximum Continuous discharging current (A)	100.0
Peak discharging current (A)	200.0 For 120 Sec.
Cell over voltage Protection	3.6
Cell over voltage release	3.5
Cell under voltage Protection	2.8
Cell under voltage release	2.9
Cycle Life @0.3C/1C @25°C	4000
DOD Level (%)	90%
Protection	
Cell under voltage protection	Yes
Cell over voltage Protection	Yes
Over current protection	Yes
Short circuit protection	Yes
Temperature protection	Yes
Temperature	
Working Temperature (°C)	0 – 55°C
Storage Temperature (°C)	0 - 45°C
Communications	
Bluetooth For Mobile Application Showing Real Time Data.	
RS485/ CAN Protocol Communication For Telematics.	
Other	
Dimension (mm) LxWxH	(415×285×263)
Weight (Kg)	50 (Approx.)
Power Connector	HVP Connector - 200A

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