

voltgo



5
years
WARRANTY

Golf Lithium

51.2V 100Ah LiFePO4
VLEG5120A



Drive further with **VoltGo Lithium**



VoltGo's advanced VLEG5120A Lithium Iron Phosphate (LiFePO4) battery has been specifically designed for use in golf cart and AGV type applications.

The VoltGo Golf battery features an application specific, intelligent Battery Management system, engineered to handle the rigours of golf cart usage, including the ability to handle the high rate in-rush currents generated from regenerative braking systems.

A lightweight, high capacity, maintenance free alternative to traditional lead acid batteries, or a high quality replacement for existing lithium batteries, VoltGo golf batteries are capable of being used individually, or expanded into system of up to 16 modules in parallel to provide longer runtime between recharges.

Super safe UL94 V-0 flame retardant case with innovative internal aerosol fire suppression for the ultimate in safe operation, your VoltGo batteries can be monitored from your smart phone via Bluetooth, or via the optional panel mounted display to ensure you reach the 19th hole every time.



Multiple safety features

Meets stringent international standards UL1973, UN38.3 and features an intelligent BMS with protections against short circuiting, over or under voltage and over or under temperature fluctuations, plus ensures self-balancing when used in multi-module systems.

Encased in a UL94 V-0 rated flame retardant ABS casing, the Elite Series also features an on-board aerosol fire suppression system for swift fault mitigation, and peace of mind.

Total control

A top mounted control panel features an On/Off button to isolate battery when not in use, LED SoC indication for simple capacity checks and system alarm.

Two CAN/RS485 ports allow easy system expansion, ensuring all batteries are kept balanced to extend cart range, and extend the service life of your batteries.

**See manual or website for further details.*

Let your battery talk to you

Connect from your phone or tablet for real-time monitoring of status, including voltage, state of charge, health and cycle count.



Download the VoltGo app:

Apple Store



Google Play



VoltGo Elite Series Golf LFP batteries with SMART-GO fastening features are easily expandable.

The innovative bracket system featured with the VLEG5120A battery provides a versatile solution to housing them within golf cart battery recesses.

The included handy brackets act as both battery handles for moving into position, and as floor or wall lock brackets to provide rigidity. Interlocking fastening plates also tie multiple modules together for even more robust and secure installation, minimising damage caused by vibration and movement.



Optional on-board monitoring

Paired with the optional panel mounted battery monitor, you can keep an eye on your battery's performance throughout your round. With voltage, state of charge percentage and estimated remaining runtime clearly displayed, you'll never be caught on the back nine again.



Specification	VLEG5120A
Nominal Voltage	51.2 VDC
Nominal Capacity	100 Ah
Rated Energy	5120 Wh
Cycle Life (25°C)	> 6000 (0.5C to 80% DoD)
Design Life	15 years
Voltage Range	44.8~56.0 V
Recommended Charge Rate	30 A
Max Constant Charge Rate	100 A
Max. Continuous Discharging Current	150 A
Humidity	5-95% RH
Charge Temperature Range	-20°C ~ +45°C (<0°C, start heating)
Charge Temperature Range	-20°C ~ +55°C
Storage Temperature Range	-20°C ~ +45°C
Terminals	M8
Communication Ports	CAN, RS485
Series Connection	NO
Parallel Connection	Up to 16P
Dimensions	460 x 320 x 247 mm
Weight	43±0.5kg
Ingress Rating	IP65
Compliances	UL1973, UN38.3



WARRANTY
With 5 years manufacturer's warranty for peace of mind.

Check T&Cs.



Golf Lithium

51.2V 100Ah LiFePO4 – VLEG5120A

VoltGo's Elite Series Golf battery raises the benchmark for performance and safety in lithium battery applications.

Long term cost benefits associated with converting lead acid systems, or replacing existing lithium batteries, means VoltGo provides exceptional bang for buck without compromising safety and functionality.

Whether you're a weekend hacker or club fleet manager, VoltGo's maintenance free operation will deliver reliable power to your vehicle/s for years to come.



Recommended charger

Speak to our battery engineers about the right battery charger for you. We use and recommend Delta-Q professional battery chargers, which come custom programmed to suit your specific usage requirements to optimise cart runtime and battery service life.

Mi
BATTERY ENGINEERING

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