

**Green Cell**

# GC LiFePO4 Battery

CAV10 | 10 Ah | 12.8 V

Product card



## Long maintenance-free operation

The extremely long period of trouble-free and maintenance-free operation makes them an excellent investment for your project.

## Even lower weight

The extraordinary energy density means that a GC LiFePO4 battery can weigh up to 1/3 less than a classic lead acid battery with the same parameters.

## Wide operating temperatures

The battery can be discharged in a wide temperature range from -10 to 55°C. The biting cold, or the blazing sands - the battery can be use wherever you want.

## High charging and discharging power

Even higher battery power with much faster charging.

## Parameters

|                                  |                     |  |  |
|----------------------------------|---------------------|--|--|
| Model / SKU                      | CAV10               | Max Pulse Discharge Current              | 15 A / 10S   |
| Energy                           | 128 Wh              | Weight                                   | ≤1.26 KG   |
| Cell type                        | Cylindrical         | Parallel connection                      | No quantity limit, make sure that the voltage of each battery is the same or the voltage difference is within <0.3 V |
| Cell grade                       | A grade; brand new  | Series connection                        | Maximum 2 batteries in series, Make sure each battery is fully charged before connecting in series                   |
| Voltage of single battery cell   | 3.2 V               | Charge Operating Temperature             | 0~45°C   |
| Cell connection                  | 4S3P                | Discharge Operating Temperature          | -10~55°C   |
| Certificates                     | UN38.3 ; MSDS ; emc | Storage Temperature (60-80% SOC Storage) | 0~45°C   |
| Case dimension (L*W*H)           | 151*65*95 mm        | Capacity at 1C rate 0.2C                 | ≥10 Ah   |
| Nominal Voltage                  | 12.8 V              | Cycle Life (Cycle at RT,1C rate, 85%DOD) | >2000 cycles   |
| Nominal Capacity                 | 10 Ah               | Terminal                                 | Faston 250 (F2)  |
| Internal Resistance              | ≤48 mΩ              |  |  |
| End of charge Voltage            | 14.6 V              |  |  |
| End of charge Current            | 100 mA              |  |  |
| End of discharge Voltage         | 9.2 V               |  |  |
| Charge Method                    | CC/CV               |  |  |
| Max Continuous charge current    | 5 Ah                |  |  |
| Max Continuous discharge current | 10 Ah               |  |  |

