

GC LiFePO4 Battery

CAV06 | 50 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

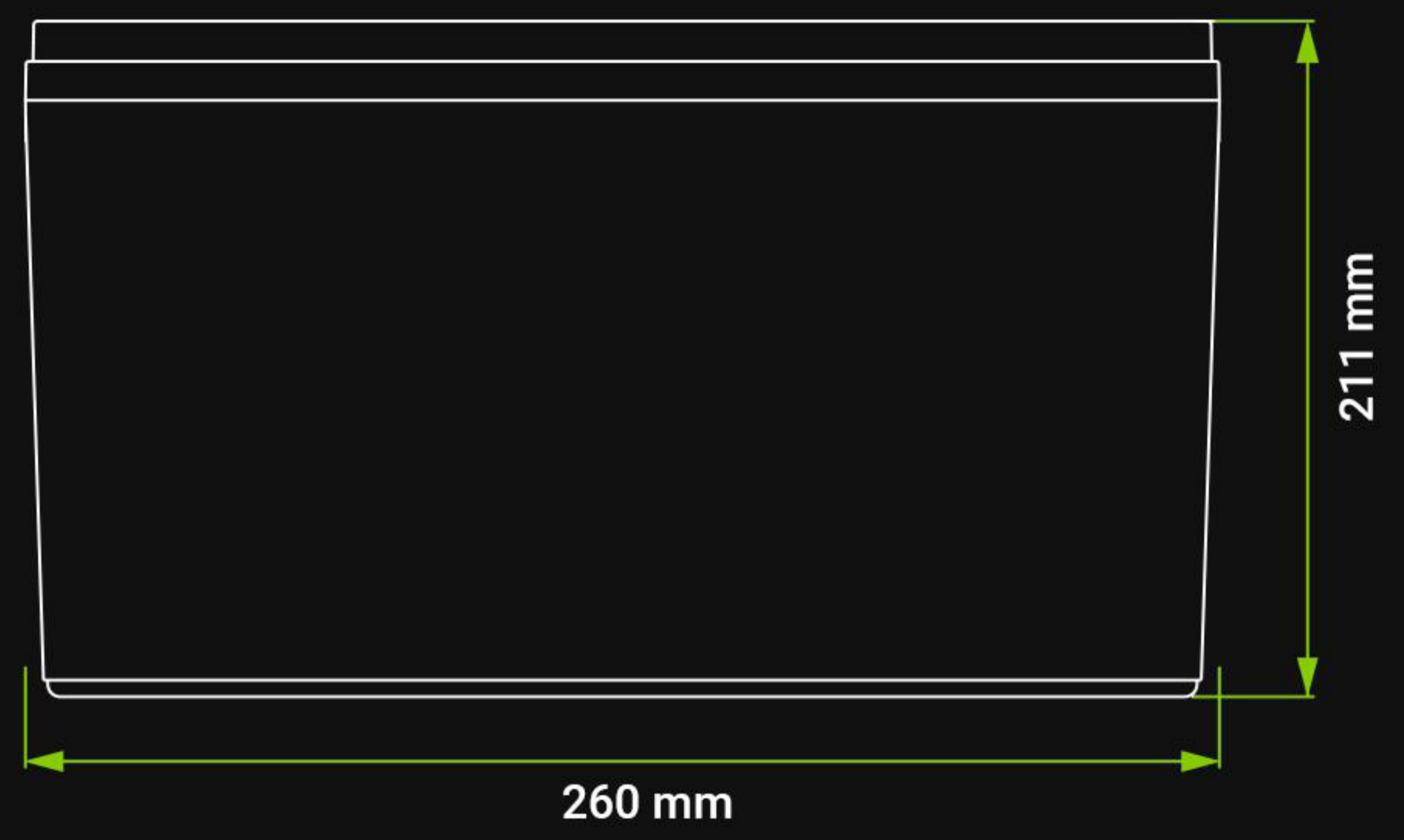
The battery can be discharged in a wide temperature range from -10 to 55°C. The biting cold, or the blazing sands - the battery can be used wherever you want.

High charging and discharging power

Even higher battery power with much faster charging.

Parameters

Model / SKU	CAV06	Max Pulse Discharge Current	75 A / 10S
Energy	640 Wh	Weight	≤5.38 KG
Cell type	Prismatic	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 4 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	4S1P	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)	260*168*211 mm	Capacity at 1C rate 0.2C	≥50Ah
Nominal Voltage	12.8 V	Cycle Life (Cycle at RT,1C rate, 85%DOD)	>2000 cycles
Nominal Capacity	50 Ah	Terminal	M8
Internal Resistance	≤56 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	25 A		
Max Continuous discharge current	70 A		



12V LiFePO4 Battery Discharge Test Curves At Different Rates

