



C8 ENERGY 560Ah LITHIUM LiFePO4 battery

rechargeable battery
with integrated BMS

Data Sheet

Model no. C8560A

12.8V 560Ah

DESIGNED FOR TRUCKS!



355%
more energy
for hotel loads



**Adapted
to trucks
battery boxes**



**Operates at
-30°C/-22°F
with heating
function to
support charging**



**10% Energy
Reserve for
Engine Start
and Hotel Loads**

- ✓ Integrated battery management system (BMS) for trucks
- ✓ On/Off switch
- ✓ IP67 stainless steel casing
- ✓ Easy installation - Mounting supports integrated into the battery
- ✓ Over-Charge, Over-Discharge and Short-Circuit Protection
- ✓ Bluetooth wireless telemetry with C8 Energy iOS & Android app
- ✓ 3 year warranty
- ✓ Battery terminal protected against the elements and water accumulation

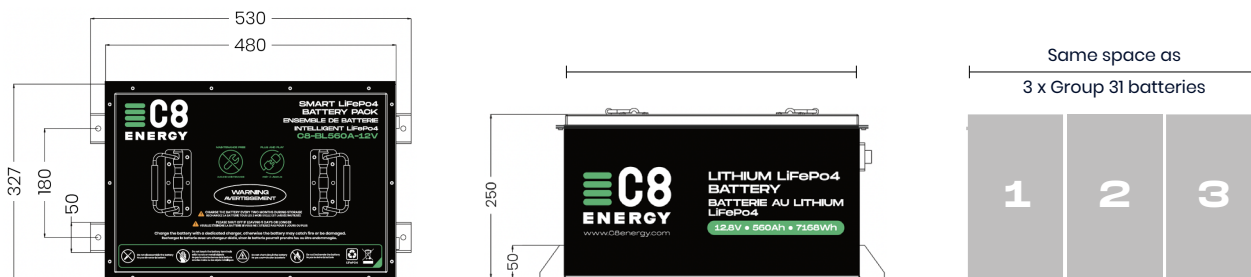


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info@C8energy.com
www.C8energy.com



Battery characteristics

Data Sheet	Model no. C8560A	12.8V 560Ah
Voltage	12,8V	
Capacity (Ah)	560Ah	
Watt hours	7168Wh	
Internal resistance	≤ 100mΩ	
Discharge Cut-off Voltage	10.0V	
Max. Charge Cut-off Voltage (from Charger)	14,6V	
Standard Charge & Standard Discharge*	112A (0,2C)	
Max. Continuous Charge Current**	≤200A (200A@6S LED flashing warning, 320A@3.5S cutoff, 1500A@100mS cutoff) (recommended 112A for better lifespan, cell is at rated 0.5C charge, 25±5°C)	
Max. Continuous Discharge Current ***	200A	
Max. Discharge Peak Current ****	250A @ 6S (LED flashing warning), 350A @ 3.5S cutoff, 1500A @ 100mS cutoff	
Operating Temperature (recommended)	Charge: 0°C ~ 45°C / 32°F ~ 113°F Discharge: -30°C ~ 60°C / -4°F ~ 140°F	
Storage Temperature (recommended)	Within 1 month: -5°C ~ 35°C / 23°F ~ 95°F (SOC 50%) Within 6 months: 0°C ~ 35°C / 32°F ~ 95°F (SOC 50%)	
Weight	121 lbs / 55 kg	
Dimensions (L x W x H)	29.9 x 12.9 x 9.9 in / 530 x 327 x 250 mm	



* Standard Charge & Standard Discharge: Standard Charge @ 0.2C & Standard Discharge @ 0.5C, @ Ambient Temperature 25±5°C.

** Max. Continuous Charge Current: cell's specs recommended 0.2C-0.5C charge for better lifespan, @ Ambient Temperature 25±5°C.

*** Max continuous Discharge Current: cell's specs recommended 1C as max continous, 2C@60s, ≤80SOC/ 3C@60s, ≤30%SOC, @ Ambient Temperature 25±2°C

**** Max. Discharge Peak Current: cell's specs recommended 2C@60s, ≤80SOC/ 3C@60s, ≤30%SOC, 5C/10C or even higher current are under limit conditions (please reach out for details) @ Ambient Temperature 25±2°C.

Bluetooth telemetry
with C8 Energy app!



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