

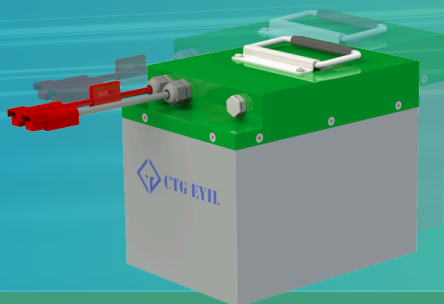


# CTG EYIL

DataSheet  
CTG EV LFP 48V 80Ah

## ELECTRIC VEHICLE Battery Pack

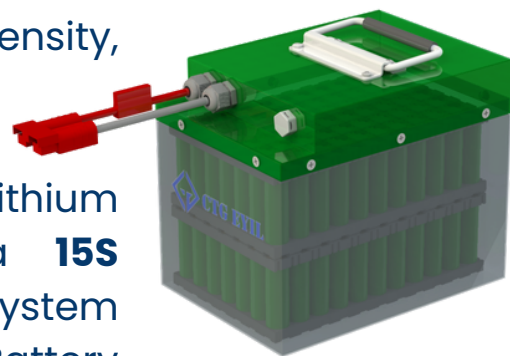
LITHIUM ION BATTERIES  
For Electric Vehicles



# CTG EYIL

The **CTG EV Battery** Pack is engineered for electric vehicle applications, delivering high energy density, stable performance, and long service life.

Each pack is built with premium **3.2V LFP** (Lithium Ferro Phosphate) lithium-ion cells in a **15S configuration**, forming a **48V** battery system managed by an intelligent BMS (Battery Management System).



The integrated **Smart BMS** ensures reliable operation and provides protection against over-charge, over-discharge, over-current, and short-circuit conditions—ensuring safe and efficient power delivery for various EV applications.

## Features:

- 15S LFP Li-ion configuration
- Compact and lightweight design
- Smart BMS
- Easy installation
- Mobile monitoring



High  
Efficiency



Easy  
Installation



Expandable  
system



Smart  
BMS

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| ITEM                   | SPECIFICATION  |
|------------------------|--|
| Configuration          | 15S1P  |
| Nominal Voltage(V)     | 48V  |
| Nominal Capacity(AH)   | 80Ah   |
| Operating Voltage(V)   | 42V - 54.75V   |
| Rated energy(KWH)      | 3.84kW   |
| Std. Charge Current    | 0.3C   |
| Std. Discharge Current | 1C   |
| Max Charge Current     | 1C   |
| Max Discharge Current  | 3C   |
| Weight (Approx. in Kg) | 40Kg   |
| IP grade               | IP 65  |
| Dimensions (LxWxH)     | 478*272*200  |
| Cycle Life             | 3500 Cycle (90% DOD)                                 |
| Warranty               | 5 Years (Refer CTG Warranty Document)                |
| Working Temperature    | 0°C to 55°C (Charging) / -20° to +60°C (Discharging) |
| Recommended Charger    | LFP 54.75V / 24A                                     |

**CTG EYIL**

ELECTRIC VEHICLE  
Battery Pack