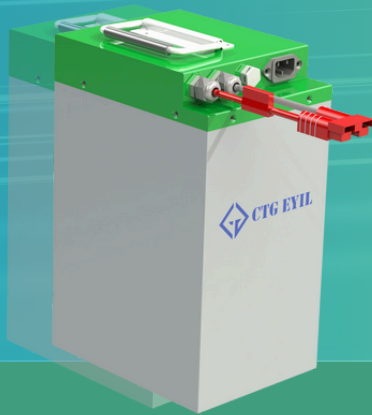




CTG EYIL

DataSheet
CTG EV NMC 51.8V SERIES

ELECTRIC VEHICLE Battery Pack

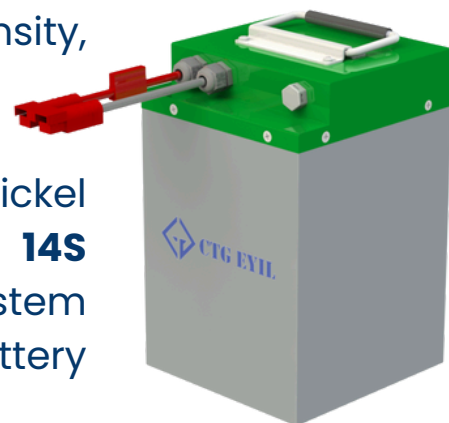


LITHIUM ION BATTERIES
For Electric Vehicles

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 **3.7V NMC** (Nickel Manganese Cobalt) lithium-ion cells in a **14S configuration**, forming a **51.8V** 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:

- 14S NMC 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	14S11P	14S12P	14S13P	14S8P	14S9P
Nominal Voltage(V)	51.8V				
Nominal Capacity(AH)	28.6Ah	31.2Ah	34Ah	36Ah	40.5Ah
Operating Voltage(V)	40V – 58.8V				
Rated energy(KWH)	1.48kW	1.62kW	1.75kW	1.86kW	2.1kW
Std. Charge Current	0.2C				
Std. Discharge Current	1C				
Max Charge Current	1C				
Max Discharge Current	3C				
Weight (Approx. in Kg)	9.4Kg	10.2Kg	10.8Kg	10.1Kg	11.3Kg
IP grade	IP 65				
Dimensions (LxWxH)	158*156*263 235*156*190	156*151*282 268*158*170	156*151*301 286*157*170	168*201*230 182*198*200	170*226*230
Cycle Life	1000 Cycle (90% DOD)				
Warranty	3 Years (Refer CTG Warranty Document)				
Working Temperature	0°C to 55°C (Charging) / -20° to +60°C (Discharging)				
Recommended Charger	NMC 58.8V/6A	NMC 58.8V/6A	NMC 58.8V/8A	NMC 58.8V/8A	NMC 58.8V/8A

ITEM	SPECIFICATION			
Configuration	14S10P	14S11P	14S7P	14S15P
Nominal Voltage(V)	51.8V			
Nominal Capacity(AH)	45Ah	49.5Ah	31.5Ah	39Ah
Operating Voltage(V)	40V – 58.8V			
Rated energy(KWH)	2.33kW	2.56kW	1.63kW	2.02kW
Std. Charge Current	0.2C			
Std. Discharge Current	1C			
Max Charge Current	1C			
Max Discharge Current	3C			
Weight (Approx. in Kg)	12.1Kg	13.1Kg	9Kg	12.3Kg
IP grade	IP 65			
Dimensions (LxWxH)	170*180*279	170*180*301	170*180*220 162*180*224	158*156*339
Cycle Life	1000 Cycle (90% DOD)			
Warranty	3 Years (Refer CTG Warranty Document)			
Working Temperature	0°C to 55°C (Charging) / -20° to +60°C (Discharging)			
Recommended Charger	NMC 58.8V/10A	NMC 58.8V/10A	NMC 58.8V/6A	NMC 58.8V/8A