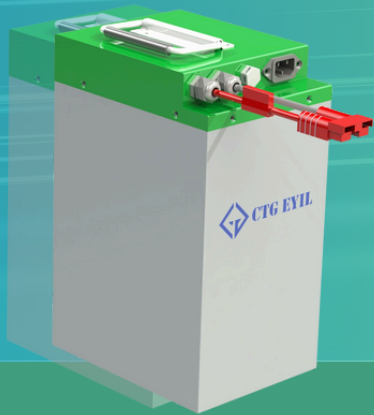




CTG EYIL

DataSheet CTG EV NMC 74V SERIES

ELECTRIC VEHICLE Battery Pack

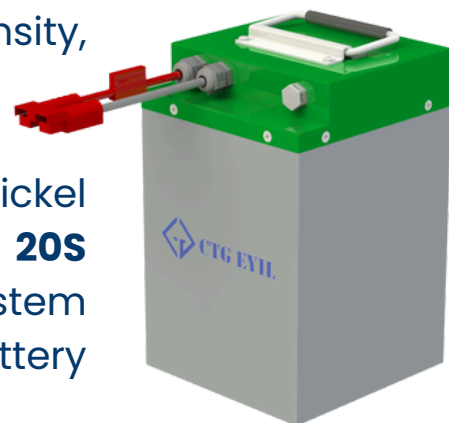


LITHIUM ION BATTERIES
For Electric Vehicles

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 **20S configuration**, forming a **74V** 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:

- 20S 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	20S7P	20S8P	20S11P	20S12P
Nominal Voltage(V)	74V			
Nominal Capacity(AH)	28.6Ah	27Ah	40.5Ah	45Ah
Operating Voltage(V)	60V – 84V			
Rated energy(KWH)	2.11kW	1.99kW	2.99kW	3.33kW
Std. Charge Current	0.2C			
Std. Discharge Current	1C			
Max Charge Current	1C			
Max Discharge Current	3C			
Weight (Approx. in Kg)	11.5Kg	11Kg	14.5Kg	15.5Kg
IP grade	IP 65			
Dimensions (LxWxH)	158*213*265	173*157*293	173*229*293	173*252*293
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 84V/6A	NMC 84V/6A	NMC 84V/10A	NMC 84V/12A

ITEM	SPECIFICATION			
Configuration	20S7P	20S8P	20S11P	20S12P
Nominal Voltage(V)	74V			
Nominal Capacity(AH)	31.5Ah	36Ah	49.5Ah	54Ah
Operating Voltage(V)	60V – 84V			
Rated energy(KWH)	2.33kW	2.66kW	3.66kW	4kW
Std. Charge Current	0.2C			
Std. Discharge Current	1C			
Max Charge Current	1C			
Max Discharge Current	3C			
Weight (Approx. in Kg)	12Kg	13.7Kg	17.8Kg	19.9Kg
IP grade	IP 65			
Dimensions (LxWxH)	173*180*280 267*181*182	203*169*275 289*203*182	173*274*293 173*240*293	173*241*317 300*255*187
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 84V/6A	NMC 84V/6A	NMC 84V/8A	NMC 84V/10A