

1200W CG SERIES SEALED CHARGER

Sealed Design; Cycle charging or floating charging for battery pack of lead-acid, lithium, NI-MH, NI-CD in E-bike, E-scooter, E-motorcycle, ATV/UTV, golf cart, lawn mower, AGV, forklift, E-surfboard, E-boat, etc.

Models	Battery Pack Rated Voltage	Max Output Voltage	Max Output Current
1200CG24XX	24V	34V	25A
1200CG48XX	48V	60V	25A
1200CG60XX	60V	73V	25A
1200CG72XX	72V	88V	20A
1200CG84XX	84V	103V	15A

TECHNICAL PARAMETERS

- Rated AC Input Voltage Range: 110~240VAC; 50/60Hz
- AC Input Max Current: 12A@120VAC
- PF: ≥ 0.99
- Efficiency: $\geq 90\%$
- Noise: $\leq 45\text{dB}$
- IP Rating: IP65

PRODUCT CHARACTERISTICS

SAFETY& CERTIFICATES

- Active PFC and LLC techniques applied.
- Reliable hardware and voltage& current self-test protection.
- Advanced charging strategy to ensure safety in the charging process.
- Compliance with UL/CB/CE/PSE/RCM/FCC/CEC/DOE/CP65 directives.

RELIABILITY

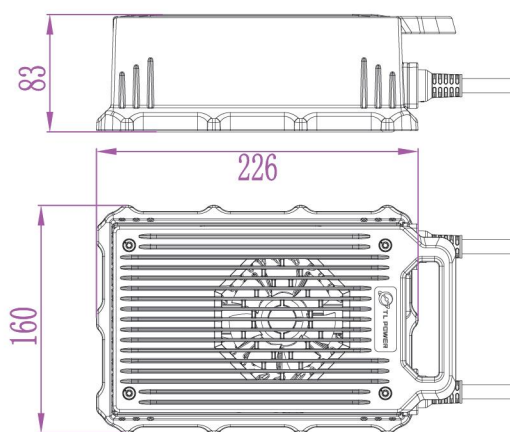
- Integrated die casting technique for shell.
- Inside filled with Organosilicon Encapsulant for heat-conducting, anti-shock, anti-aging.
- Proven verification in all kinds of tough industrial environments (Wet, Hot, High vibration, Dust).

FUNCTIONS

- CAN BUS.
- Auxiliary Power.
- Vehicle Charging Interlock.
- External Indicator.
- Infrared .

SIZE, WEIGHT& TEMPERATURE

- Net Weight: 2.2kg
- Operating Temperature: $-30^{\circ}\text{C}\sim 65^{\circ}\text{C}$ ($-80^{\circ}\text{F}\sim 149^{\circ}\text{F}$)
- Storage Temperature: $-40^{\circ}\text{C}\sim 95^{\circ}\text{C}$ ($-104^{\circ}\text{F}\sim 203^{\circ}\text{F}$)



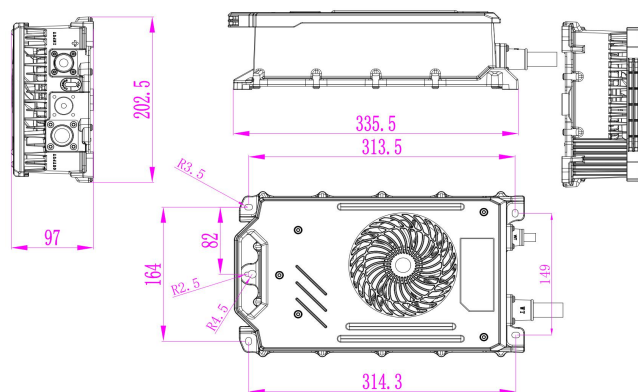
PROTECTION FEATURES

- Burnout Protection: When the internal temperature of the charger exceeds the internal setting value, the charging current is automatically reduced; when the ambient temperature exceeds 65°C , the charger will automatically shut down for protection, and when the temperature is restored, charging will be automatically resumed.
- Protection for Reverse Connection of Batteries: When the battery is connected in reverse, the internal circuit of the charger will disconnect itself from the battery, and the charger will not be damaged.
- No-load Protection: No output when no battery is connected.
- Short Circuit Protection: When the output short circuit occurs, the internal circuit of the charger and the battery are disconnected, and the charging can only be resumed after the fault is eliminated and the battery is reconnected.
- Automatic shutoff when fully charged.

3000W BG SERIES SEALED CHARGER

Sealed Design; Cycle charging or floating charging for battery pack of lead-acid, lithium, NI-MH, NI-CD in E-bike, E-scooter, E-motorcycle, ATV/UTV, golf cart, lawn mower, AGV, forklift, E-surfboard, E-boat, etc.

Models	Battery Pack Rated Voltage	Max Output Voltage	Max Output Current
3000BG24XX	24V	33V	50A
3000BG36XX	36V	50V	50A
3000BG48XX	48V	68V	50A
3000BG60XX	60V	84V	35A
3000BG72XX	72V	103V	35A
3000BG96XX	96V	120V	30A



(mm)

TECHNICAL PARAMETERS

- Rated AC Input Voltage Range: 120VAC/200~240VAC; 50/60Hz
- AC Input Max Current: 13A@120VAC; 15A@220VAC
- PF: ≥ 0.99
- Efficiency: $\geq 90\%$
- Noise: ≤ 55 dB
- IP Rating: IP65

PRODUCT CHARACTERISTICS

SAFETY& CERTIFICATES

- Active PFC and LLC techniques applied.
- Reliable hardware and voltage& current self-test protection.
- Advanced charging strategy to ensure safety in the charging process.
- Compliance with UL/CB/CE/KC/RCM/FCC/CEC/DOE/CA65 directives.

RELIABILITY

- Integrated die casting technique for shell.
- Inside filled with Organosilicon Encapsulant for heat-conducting, anti-shock, anti-aging.
- Proven verification in all kinds of tough industrial environments (Wet, Hot, High vibration, Dust).

FUNCTIONS

- CAN BUS.
- Auxiliary Power.
- CC Function at output DC part
- Vehicle Charging Interlock System.
- Bluetooth
- External Indicator.

SIZE, WEIGHT& TEMPERATURE

- Net Weight: 6kg (13.2lb)
- Operating Temperature: $-30^{\circ}\text{C} \sim 65^{\circ}\text{C}$ ($-80^{\circ}\text{F} \sim 149^{\circ}\text{F}$)
- Storage Temperature: $-40^{\circ}\text{C} \sim 95^{\circ}\text{C}$ ($-104^{\circ}\text{F} \sim 203^{\circ}\text{F}$)

PROTECTION FEATURES

- Burnout Protection:** When the internal temperature of the charger exceeds the internal setting value, the charging current is automatically reduced; when the ambient temperature exceeds 65°C , the charger will automatically shut down for protection, and when the temperature is restored, charging will be automatically resumed.
- Protection for Reverse Connection of Batteries:** When the battery is connected in reverse, the internal circuit of the charger will disconnect itself from the battery, and the charger will not be damaged.
- No-load Protection:** No output when no battery is connected.
- Short Circuit Protection:** When the output short circuit occurs, the internal circuit of the charger and the battery are disconnected, and the charging can only be resumed after the fault is eliminated and the battery is reconnected
- Automatic shutoff** when fully charged.