

## Specification of 3KW Charger

The charger is applicable for various lithium batteries like LiFePO<sub>4</sub>, LiMn<sub>2</sub>O<sub>4</sub> etc. The charger features light weight, small volume, stable performance, high efficiency and reliable security etc., switched automatically between the floating and balancing charging and also has the protection functions of reverse connection, output short-circuit and overload and so on.

The charger is widely used for battery-charging cycles in electric vehicles such as electric forklift, golf cars, electric trucks, electric tour bus, electric yacht, cleaning machines, or Uninterruptible Power Supply (UPS), solar energy, wind power dynamo and electric communication system on the railway etc.

There are 1.5kw charger, 2kw charger, 3kw charger, 4kw charger, 6kw charger, 8kw charger for your choice.



### TECHNICAL TARGET

AC Input Voltage Range: AC85V-AC265V

AC Input Frequency: 45-65Hz

AC Power Factor Correction:  $\geq 0.98$

Full Load Efficiency:  $\geq 93\%$

Shock & Vibration: SAEJ1378 standard

Environmental Enclosure: IP46

Operating Temperature: -40°C - +55°C

Storage Temperature: -40°C - +100°C

Charging Control: CAN bus or ENABLE

Dimension(mm): 357(L)x254(W)x179(H)

Net Weight: 10.24kg

Lithium Battery Charger	Output Max Volt	Output Max Current
TCCH-H35-80	34.6V	80A
TCCH-H51-66	51.1V	66A
TCCH-H65-50	65V	50A
TCCH-H90-40	89.8V	40A
TCCH-H104-32	103.8V	32A
TCCH-H114-28	114V	28A
TCCH-H130-24	130V	24A
TCCH-H161-20	161V	20A
TCCH-H203-16	203V	16A
TCCH-H217-16	217V	16A
TCCH-H258-12A4	258V	12.4A
TCCH-H320-10	320V	10A

### PROTECTION FEATURES

#### 1. Thermal Self-protection

When the internal temperature of the charger exceeds 75°C, the charger current will reduce automatically. If it exceeds 85°C, the charger will shutdown protectively. When the internal temperature drops, it will resume charging automatically.

#### 2. Short-circuit Protection

When the charger encounters unexpected short-circuit, it will automatically close charging. When fault is removed, the charger will re-start in seconds.

#### 3. Reverse Connection Protection

When the battery is polarity reversed, the charger will cut off the connection between the internal circuit and the battery, to prevent damage to the charger.

#### 4. Input Low-voltage & Over-voltage Protection

If the input AC Voltage is lower than 85V or higher than 265V, the charger will shut down protectively and automatically resume working with the voltage is in the normal range again.