

## 1. Overview

With CPU control and CC/CV charging profile technology, the DCS-LFP series chargers have the advantage of high efficiency and long term durability. The three stage charging mode, controls the charging current and voltage automatically and precisely, ensuring the battery is fully charged and never over charged. Your battery life will be prolonged from this level of precision.

## 2. Charger Models & Parameters

The DCS-LFP chargers come in 3 models. After unpacking the box please check the corresponding charger model printed on the chargers front label to ensure you have purchased the correct charger for your application voltage;

1. DCS-LFP-1260 (12V 60Amps)
2. DCS-LFP-2445 (24V 45Amps)
3. DCS-LFP-4825 (48V 25Amps)

## 3. Operating Instructions

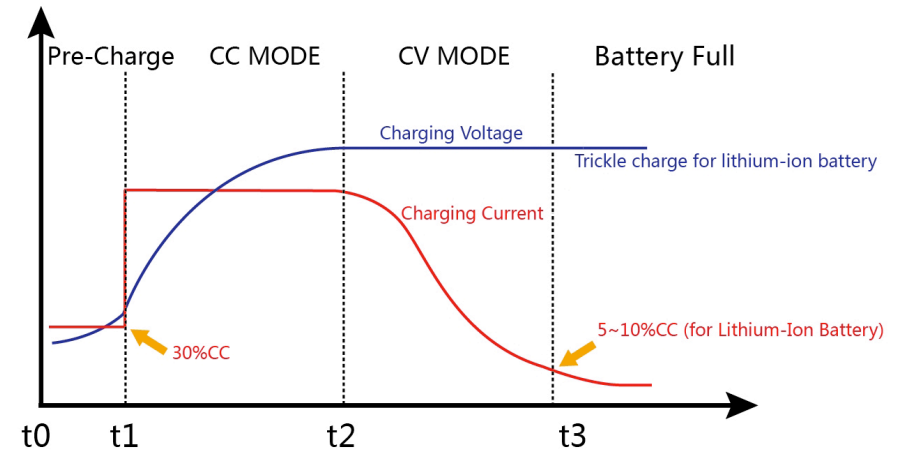
1. First connect the DC terminals to the battery before switching the charger ON.
2. After charging has completed, switch the charger OFF and then disconnect the DC terminals.
3. Don't cover the charger or air intakes during operation.
4. Operate in a well ventilation environment with sufficient heat dissipation.

## 4. Safety Fuse & Automatic protection

1. If the charger does not want to switch on, inspect the 240V inline fuse located next to the AC input cord. Replace the fuse if blown with a fuse with the same voltage and specifications.
2. If the charger over heats it will automatically reduce the charging current until normal operating temperatures are restored.

## 5. LiFePO4 (LFP) Charging Profile

- Pre-Charge: Recovers LiFePO4 batteries from fully empty.
- CC (Constant Current) stage
- CV (Constant Voltage) stage
- Battery Full (100% SOC)



## 6. LCD Display Screen

Charger Output Voltage (V)

Charger Output Current (A)



Total Amp Hour Count (Ah)

Duration Of Charge (H/M/S)

DCS-LFP

High Performance LiFePO4  
(LFP) 240V Mains Chargers

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