

Product SPECIFICATION SHEET



AP12/20

OWNER'S MANUAL



FK-J SERIES LEAD ACID BATTERY CHARGER



Please read this manual carefully before use!

A. Features:

1. Short-circuit Protection: Charger O/P cut-off automatically when short circuit.
2. Overload Protection: Charger O/P current-limited automatically when overload.
3. Reverse Polarity Protection: Charger O/P cut-off automatically when battery reverse connection .
4. Automatic multi-rate charging function: CC, CV, Float
5. Parallel operation available: Parallel with battery as DC power supply operation available.
6. 2 LED Display: LED1 Red (power on); LED2 Red (charging); Green (full).

B. Operations:

1. Check if your local mains supply conforms to charger' s input voltage 110V or 230V. Then connect the charger system to a wall socket strongly.
Warning: Do not connect to a wrong input voltage, or charger will be broken.
2. LED1 RED confirms AC power on, and the LED2 GREEN confirms charger connects well.
Note: If the charger has a Power Switch at AC side please turn on it firstly
3. Connect the plug or DC Output cord to battery terminals
LED2 light turns to RED, and if goes to GREEN, it confirms battery fully charged. (N → Positive + ; L → Negative - ; Brown → +ve terminal, Blue → -ve terminal).
Note: If this charger with a Relay for Reverse Polarity Protection, it doesn't have output voltage and current when charger power on but disconnecting with the battery. It will have voltage and current output when it connects with battery. If the charger don't have a Relay for Reverse Polarity Protection, it has output once the power on.

C. Notices:

1. Charger will turn off automatically if it was not connected to battery for 1-3 minutes after power on, please start it again.
2. This charger is designed for charging Lead Acid battery. LiFePO4 battery is available after adjustment.
3. The battery maybe damaged if LED2 cannot be changed to green after long time charging.
4. Always place the charger in well-ventilated and dry environments.
5. The charger is designed by aluminum housing as itself heat sink, don' t cover it avoiding over temperature on the case when charging.
6. Charger should be power on for 2 hours once a month.

E SERIES BATTERY CHARGER SPECIFICATIONS

Model: FK-240J(AP12/20)

DC Output

DC Output Voltage-maximum:14.7V
DC Output Voltage-adjust range: None
DC Output Current-maximum: 20A
DC Output Current-adjust range: None

AC Input

AC Input Voltage-range:90-260VAC
AC Input Voltage-nominal: 110/220VAC(
AC Input Frequency: 50~60Hz:

Mechanical

Dimensions: 140*90*50mm
Net Weight: 2.5KG.
Operating Temperature: 14°F~113°F (-10~45°C)
Storage Temperature: -40°F~158°F (-40~70°C)
AC Input: Customized, 1.5 metre cable
DC Output: Customized, 1.5 metre cable

Charging Mode

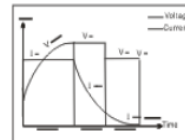
CC (constant current) Stage:20A
CV (constant voltage) Stage: 14.7V, 20A ↓
Float Stage :13.8V,5A

Regulatory

Safety Standard: CE Listed, UL compliant
Safety-Europe: EN60335-2-29:2002

Packing List:

- Charger 1
- User Manual 1
- DC Power cord 1
- AC Power cord 1



Charging Curve

BRANCH CONTACT DETAILS

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
Riverhorse	031 492 4800

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