



BATTERY CHARGER

CHR-14150 / 26180



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Precaution



Warning :

This manual contains important instructions that should be followed during installation and maintenance.

1. In case of any dangers happened, please do not expose the charger to water and dust or any will cause the charger overheated.
2. This charger can connect the AC power and DC power steadily.
3. Please read the instructions & warning before use the charger.
4. Please do not use any unknown accessories in case of any danger may caused.
5. Please do not take parts the charger yourself in case of any danger may caused.
6. Please remove the AC & DC power connection first when the charger need to be cleaned.
7. Please do not use the charger anymore after any damages happened in charger to prevent any danger form happened.
8. Please use good condition and standard wire to connect the battery and charger in case of any danger may happened.
9. When you connect with the AC end, please wait 10 seconds later then connect to lead acid battery. (This is warm start)
10. Battery voltage must bigger than it' s lower limit otherwise the charger will stop to charge.

Installation :

Installation Conditions

Condition	Contents
Clean	Please keep the charger from any contaminations in case any malfunctions may caused.
Cool & Windward	Please keep the charger cool and windward. The suggestion ambient temperature is 0°C~30°C.
Dry	Please keep the charger form rain, water and any liquid in case of any danger may happened.
Stay away form tinder	Please keep the charger away gasoline and anything easy on fire in case of any danger may caused.
Close to AC & C/P End	Please do not use the extended line as possible as you can.
Close to Battery End	Please use the standard wire in case of any danger may caused.



1. Specifications

AC Input Voltage:

110 VAC - 90~132 VAC

220 VAC - 187~253 VAC

Frequency : 50/60HZ

DC power output adjustable range (Please do not adjust by yourself before Monicon Instruments technical confirmation.)

180W Series Charger

Model No.	14150A	14150B	26180A	26180B
Specification	110V / 12V, 15A	220V / 12V, 15A	110V / 24V, 7.5A	220V / 24V, 7.5A
Input Voltage	90~132 VAC	187~253 VAC	90~132 VAC	187~253 VAC
Output Voltage Adjustable range (Load=0A)	12.0~14.4V±0.1V (Load=0A)	12.0~14.4V±0.1V (Load=0A)	22.6~28V±0.1V (Load=0A)	22.6~28V±0.1V (Load=0A)
Setting Voltage	13.6V±0.1V	13.6V±0.1V	26.6V±0.1V	26.6V±0.1V
Setting rotation of Fan	Heat Sink > 50°C	Heat Sink > 50°C	Heat Sink > 50°C	Heat Sink > 50°C
Protections	O.C.P /Output +, - Pole reverse connection /Output Shortage			
O.C.P 點	15.5A~17.5A	17A~18.5A	8.5A~9.5A	8.5A~9.5A
Maximum Load Current	12V, 15A	12V, 15A	24V, 7.5A	24V, 7.5A
Minimum Battery Voltage	4.5V	4.5V	14V	14V
Efficiency	X > 75%	X > 75%	X > 75%	X > 75%

Charge : Floating way

Protection: O.C.P /Output +, - Pole reverse connection /Output Shortage

Efficiency: Full load > 75 %

Working Temperature: -30~ 70 °C

Storage Temperature: -40~120 °C

Relative Moisture : 最大 90 %

Dimensions: 174 mm(L)* 104 mm (W) * 62 mm (H)

Weight : 1180 g ±10 g

2. Operation

2.1 Connect to AC current on point N & L. Beware of that there is no DC voltage output before connect to battery.

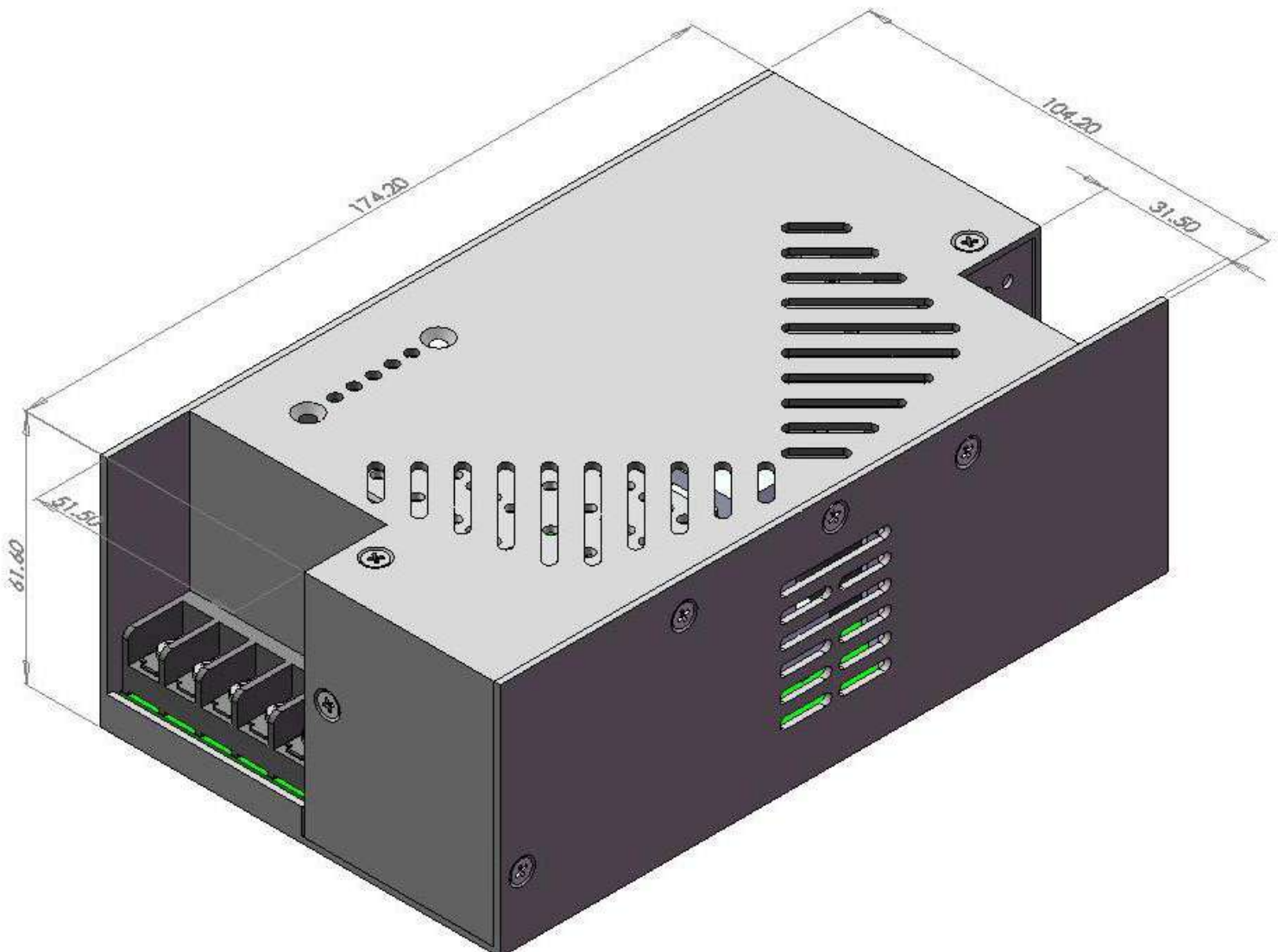
2.2

- Turn off the AC power first before you connect to the charger.
- Connect the + and - end of battery to the + and - end of charger separately.
- Connect the charger to AC power then turn on the AC power.

2.3 CHR-14150 & CHR-26180 will detect the charge relay automatically. User will needless to turn off the charger or disconnect the charger when the battery voltage is fully loaded.

2.4 CHR-14150 & CHR-26180 equipped with short protection & reverse connection protection.

3. Dimensions



4. Installation

