

MODEL	HP0180WL2 24V 6A
ITEM	
INPUT AC VOLTAGE	AC 100~240V 50/60HZ
OUTPUT DC VOLTAGE	29.4V \pm 0.2V
OUTPUT CURRENT	6A \pm 0.5A
PRE-CHARGE CURRENT	0.6A \pm 0.2A
CONSTANT CURRENT FAST CHARGE	21V – 28V \pm 1V
SHORT CIRCUIT PROTECTION	YES
PROTECTION AGAINST OVER VOLTAGE	Stop charge when output voltage is over Vmax * 1.05
PROTECTION AGAINST OVER CURRENT	Stop charge when Output Current is over rating current * 1.3
OVER CHARGE PROTECTION	AUTOMATIC TO BREAK OFF CHARGE
UNDER VOLTAGE PROTECTION	AUTOMATIC TO BREAK OFF CHARGE
LED INDICATOR	POWER /ON :RED CHARGING:ORANGE FULL CHARGE:GREEN PROTECTION:RED LED FLASH
OPERATING TEMPERATURE	0°C ~ 40°C
OPERATING HUMIDITY	20%~85%
STORAGE TEMPERATURE	-20°C ~ 70°C
USED BELOW THE ALTITUDE	2000m
DIMENSIONS	L183mm*W 100mm*H 58mm
WEIGHT	0.81kg

1. Electric characteristic / timer function

1.1 Input voltage & frequency

Manual voltage switch	Frequency	Min voltage	Max voltage
100V~240V	47~63HZ	90VAC	264VAC

1.2 Efficiency : under the normal work voltage, full load efficiency over 80%.

1.3 Input current: max input current should be less than 2.5A.

1.4 Input leakage current: input leakage current should be less than 0.75mA.

1.5 Output voltage and current (Attached figure 1)

Charge mode	Output voltage	Output current
Pre-charge	14V—21V±1V	0.6A±0.2A
Constant current	21V—28V±1V	6A±0.5A
Constant voltage	28V±1V~29.4V±0.2V	From 6A descending
Full-charged	29.4V±0.2V	0.3A±0.15A
No-load	29.4V±0.2V	0A

1.6 Timer function

1.6.1 Charger stops charging when pre-charge mode remained over 2hrs, red LED flash repeatedly as reminder.

1.6.2 Charger stops charging when constant current and constant voltage charging time all together exceed 10hrs, red LED flash repeatedly as reminder.

1.7 Protection function

1.7.1 Short circuit protection: stop charging when output is short-circuited.

1.7.2 Over current protection: stop charging when over 130% of rating current.

1.7.3 Over voltage protection: stop charging when over 105% of rating voltage.

2. Mechanism dimension & label:

2.1 Shell material: PC.

2.2 Weight: 0.81kg.

2.3 Color: black.

2.4 Dimension: L183mm*W 100mm*H 58mm (Attached figure 2).

2.5 Input and output

Input: IEC 60320 C8 connector.

Output: Standard XLR 3 pin connector

2.6 Nameplate & trademark (Attached picture 3).

3. Product introduction/ Operating instruction / LED indication/DC

Connector pin definition/Recharge function/ Troubles Shooting:

3.1 Product introduction: The product is AC to DC switching-circuit designed lithium used charger. Best apply to 24V lithium battery.

Pre-charge, constant current and constant voltage charging mode designed with this product.

3.2 Operating instruction

- (1) Make sure the power cord, battery cable, battery terminals are in good condition.
- (2) Make sure the output voltage of the charger is the same as the voltage of the battery.
- (3) Connect the connector of battery charger to the connector of battery.
- (4) Make sure the socket AC voltage is the same with the charger voltage, then connect the power source to the charger , the LED(red) light will turn on when power on.
- (5) The LED(orange) light will turn on when the battery is in Charging when the battery is full charged the LED light will turn green.

3.3 LED Indication:

LED (red) turn on: power on

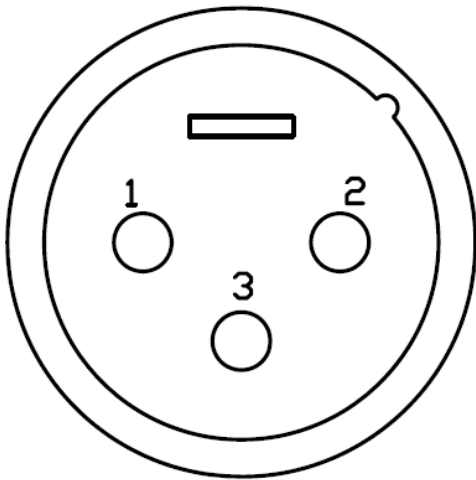
LED (orange) turn on: charging

LED (green) turn on: full charged

LED (red) flash: Short battery error

3.4 DC Connector pin definition:

Pin No.	3PIN
1	Dc Output +V (+29.4V)
2	Dc Output -V (Gnd)
3	Dc Output -V (Gnd)



3.6 Troubles Shooting:

(1) Power LED (red) is not show.

Check plug socket (AC) has outcome, if yes and the indicator does not shine, please return charger back to supplier.

(2) Charging LED (orange) light is not on.

Check if cable connector of charger is correctly connected with battery set.

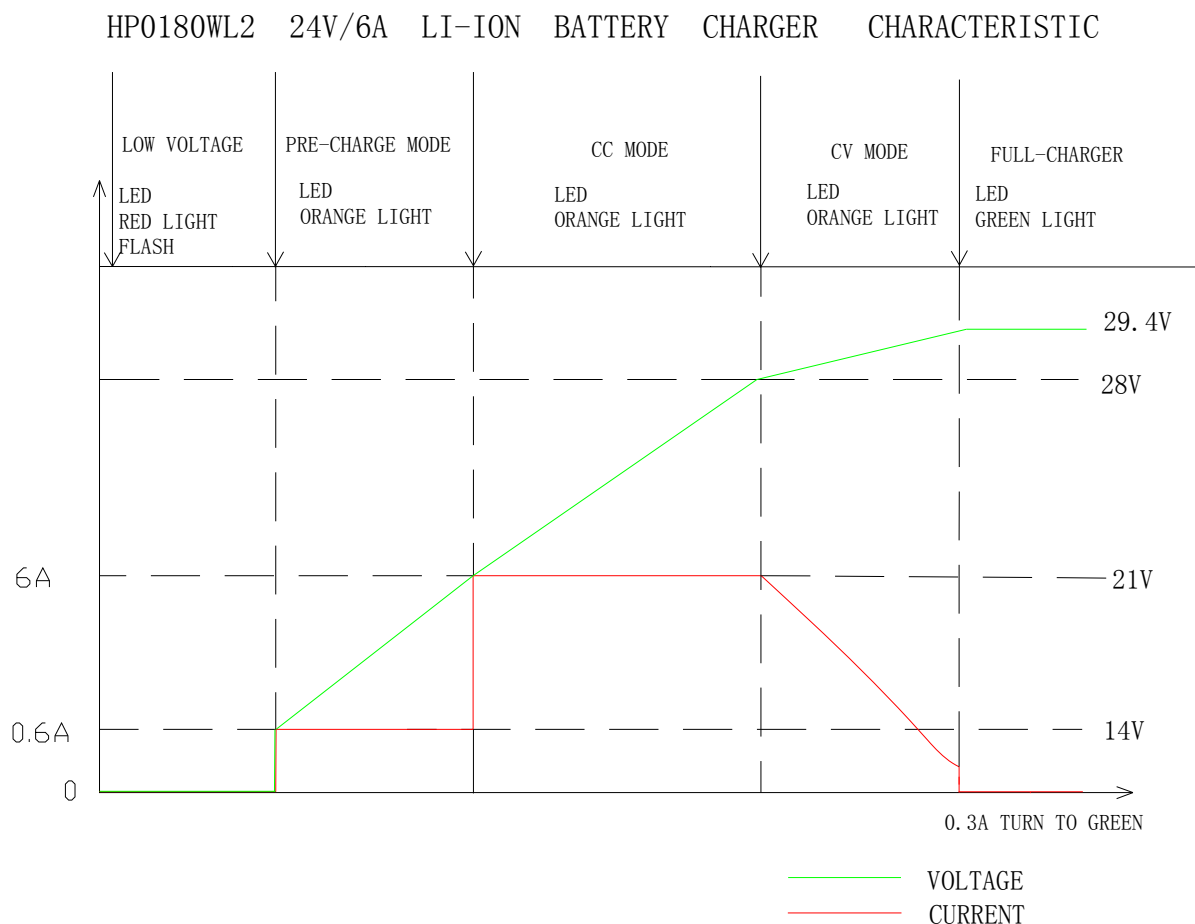
(3) Charging LED (orange) light can not turn to green

Battery is likely to be defected. Please return battery set to battery supplier.

(4) Charging LED (orange) light turn to green immediately.

Battery is fully charged. If not, battery is likely to be defected. Please return battery set to battery supplier.

Attached picture 1:



Attached picture 2:

