



**HT-C-15L-12 ; HT-C-7L-24**

# Multistage Battery Charger

- (1) PFC function.
- (2) Sleeping mode function.
- (3) Wide input voltage (universal) range operation.
- (4) LCD remote control.
- (5) Battery temperature sensor function.
- (6) Tri-LED color indicator for different charge stage.
- (7) With power supply function.
- (8) Prevent the battery overcharging, and extend the battery life.
- (9) For recovery of the aging (sulfated) battery.
- (10) Suitable for lead acid and Lithium batteries.

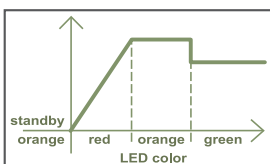
Wire Type:



## Specification

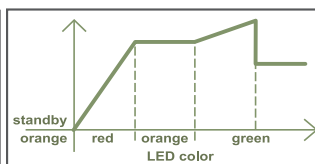
Model	HT-C-15L-12							HT-C-7L-24						
<b>INPUT</b>														
Voltage range	120Vac (100 ~ 130Vac) / 230Vac (180~240Vac)													
Frequency range	50/60Hz													
Efficiency	>=85%													
Power factor	0.5 at full load (+/-5%)													
Input socket	IEC plug													
<b>OUTPUT</b>														
Mode Selection	<b>Mode 1</b>	<b>Mode 2</b>	<b>Mode 3</b>	<b>Mode 4</b>	<b>Mode 5</b>	<b>Mode 6</b>	<b>Mode 7</b>	<b>Mode 1</b>	<b>Mode 2</b>	<b>Mode 3</b>	<b>Mode 4</b>	<b>Mode 5</b>	<b>Mode 6</b>	<b>Mode 7</b>
Bulk Stage	14.7V, 15A			14.1V, 1A	14.7V, 1A	14.4V, 15A	13.5V, 15A	29.4V, 7A			28.2V, 0.5A	29.4V, 0.5A	28.8V, 7A	27V, 7A
Absorption stage (I)	14.7V, 15A max.	14.1V, 15A max.	14.1V, 15A max.	14.1V, 1A max.	14.7V, 1A max.	14.1V, 15A max.	13.5V, 15A	29.4V, 7A max.	28.2V, 7A max.	28.2V, 7A max.	28.2V, 0.5A max.	29.4V, 0.5A max.	28.2V, 7A max.	27V, 7A
Absorption stage (II)	/	/	14.7V, 1A max.	/	/	/	/	/	/	29.4V, 0.5A max.	/	/	/	/
Float stage	13.5V, 1A max.					13.5V, 15A		27.0V, 0.5A max.					27V, 7A	
Max. current output	15A							7A						
Continuous current output	15A							7A						
Recommended battery capacity	45 ~ 150Ah (12V)						/	30 ~ 90Ah (24V)					/	
Leakage current from battery	<1mA						/	<1mA					/	
Sleeping Mode Function	YES ( 5A current output only)						/	YES ( 2.5A current output only)					/	
<b>PROTECTION</b>														
Over temperature	55°C±5°C ( 131°F ± 41°F )													
Input terminal reverse	By fuse													
Overload	YES													
Output short circuit	YES													
Microprocessor check	YES													
<b>ENVIRONMENT</b>														
Working temp.	-15°C ~ +45°C ( 5°F ~ 113°F )													
Working humidity	20 ~ 90% RH non-condensing													
Storage temp., humidity	-30°C ~ +70°C (-22°F ~ +158°F) , 10 ~ 95% RH													
Temp. coefficient	±0.05%°C (0°C ~ 50°C / 32°F ~ 122°F)													
<b>SIZE</b>														
Dimension (L x W x H)	195 x 126 x 82.5 mm													
Weight	2.1 kgs													

## Charging volt graph ( 0:OFF ■ )

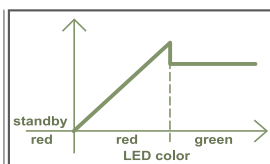


**Mode 1: (100)**  
For lead storage battery.

**Mode 2: (120)**  
For gel battery.

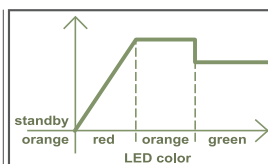


**Mode 3: (003)**  
Suitable for re-charging lead storage battery, which is in good condition battery and completely disconnected from the devices it runs.

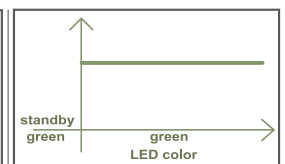


**Mode 4: (020)**  
For recovery of sulfated (aging) gel battery.

**Mode 5: (023)**  
For recovery of sulfated (aging) lead storage battery.



**Mode 6: (123)**  
Suitable for re-charging lithium battery.



**Mode 7: (000)**  
DC power supply.  
13.5V (for 12V spec.) / 27V (for 24V spec.)