



HT-C-90-12 ; HT-C-45-24

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.

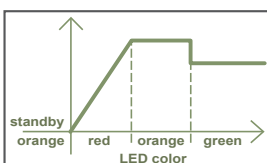
Wire Type:



Specification

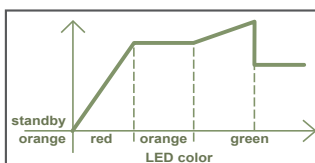
Model	HT-C-90-12							HT-C-45-24						
INPUT														
Voltage range	100 ~ 240Vac													
Frequency range	45 ~ 65Hz													
Efficiency	>=85%													
Power factor	1.0 at full load (+/-5%)													
Input socket	IEC plug													
OUTPUT														
Mode Selection	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7
Bulk Stage	14.7V, 90A			14.1V, 5A	14.7V, 5A	14.4V, 90A	13.5V, 90A	29.4V, 45A			28.2V, 2.5A	29.4V, 2.5A	28.8V, 45A	27V, 45A
Absorption stage (I)	14.7V, 90A max.	14.1V, 90A max.	14.1V, 90A max.	14.1V, 5A max.	14.7V, 5A max.	14.1V, 90A max.	13.5V, 90A	29.4V, 45A max.	28.2V, 45A max.	28.2V, 45A max.	28.2V, 2.5A max.	29.4V, 2.5A max.	28.2V, 45A max.	27V, 45A
Absorption stage (II)	/	/	14.7V, 5A max	/	/	/	/	/	/	29.4V, 2.5A max.	/	/	/	/
Float stage	13.5V, 5A max.						13.5V, 90A	27V, 2.5A max.						27V, 45A
Max. current output	90A							45A						
Continuous current output	90A							45A						
Recommended battery capacity	400 ~ 1000Ah (12V)					/		200 ~ 500Ah (24V)					/	
Leakage current from battery	<1mA					/		<1mA					/	
Sleeping Mode Function	YES (5A current output only)					/		YES (2.5A current output only)					/	
PROTECTION														
Over temperature	55°C±5°C (131°F ± 41°F)													
Input terminal reverse	By fuse													
Overload	YES													
Output short circuit	YES													
Microprocessor check	YES													
ENVIRONMENT														
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)													
SIZE														
Dimension (L x W x H)	435 x 200 x 135 mm													
Weight	7.8 kg													

Charging volt graph (0:OFF ■)

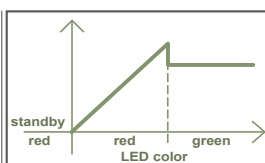


Mode 1: (100)
For lead storage battery.

Mode 2: (120)
For gel battery.

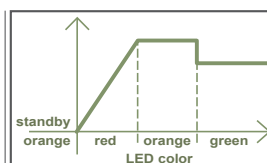


Mode 3: (003)
Suitable for re-charging lead storage battery, which is in good condition battery and completely disconnected from the device it runs.

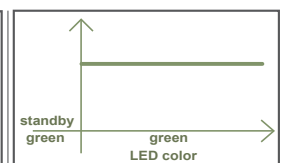


Mode 4: (020)
For recovery of sulfated (aging) gel battery.

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.)

