

CH1812 / CH1824

Portable Automatic Battery Charger 20 Amp

Features

- Low Ripple Voltage (Below $\pm 3\%$)
- Float / Equalize Charge Mode
- Adjustable Equalize Charging Time
- Voltage Detector and Over Voltage Protection
- No Current Drain When Input Power Is Off
- Set Any Charge Current Up To 20 Amp with Over Current Protection
- Selectable 110 / 220 VAC Input



Specifications

AC Input Power

Voltage 100/220 VAC $\pm 10\%$ single phase (Adjustable)
 Frequency 50/60 Hz $\pm 5\%$

Equalize Charge Output Voltage

CH1812 Charge 12 VDC Battery at 14.5 VDC
 CH1824 Charge 24 VDC Battery at 28.8 VDC

Float Charge Output Voltage

CH1812 Charge 12 VDC Battery at 13.8 VDC
 CH1824 Charge 24 VDC Battery at 27.6 VDC

Equalize Charge Voltage Range

12 VDC 13.5 VDC ~ 16.0 VDC (Adjustment)
 24 VDC 27.0 VDC ~ 31.0 VDC (Adjustment)

Float Charge Voltage Range

12 VDC 13.0 VDC ~ 14.5 VDC (Adjustment)
 24 VDC 25.8 VDC ~ 28.0 VDC (Adjustment)

Protection

Short circuit, over current, over voltage, no current drain when input power is off

Output Current Range

0.5 ADC ~ 20.0 ADC

Voltage Regulation

$< \pm 1\%$

Equalize Charging Time

6, 12, 24 Hours setting

Charge Mode

Float charge and equalize charge

Cooling

Forced Fan Cooling

Efficiency

$> 80\%$ @ Full load

Ripple

$\pm 3\%$

Operation Temperature

$-10 \sim 40^\circ\text{C}$

Storage Temperature

$-20 \sim 40^\circ\text{C}$

Relative Humidity

Maximum 90%

Dimensions

315.0 (L) x 255.0 (W) x 230.0 (H) mm

Weight

CH1812 15.6 Kg $\pm 2\%$
 CH1824 21.0 Kg $\pm 2\%$

Front View and Illustrations

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|----------------------------------|-----------------------|--------------------------------------|-----------------------------|
| ● DC Voltage Meter | ● Float Charge LED | ● Adjustable Charge Voltage | ● Input Power MCCB |
| ● DC Current Meter | ● Equalize Charge LED | ● Adjustable Float Charge Current | ● Output Power MCCB |
| ● Equalize Charge Setting Button | ● Power LED | ● Adjustable Equalize Charge Current | ● Output Terminal (+) / (-) |

Mechanical Specifications (Unit : mm)

