

# CH1812 / CH1824

## Floor Standing Automatic Battery Charger 20Amp

### Features

- Low ripple voltage (below +/-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 20Amp with over current protection
- Selectable 110/220Vac input



### Specifications

<b>Power Input</b>	Voltage 110/220 Vac +/-10% 1 phase (selectable) Frequency 50/60 Hz +/-5%	<b>Float Charge Voltage Range</b>	12 Vdc 13.0 to 14.5 Vdc (adjustable) 24 Vdc 25.8 to 28.0 Vdc (adjustable)
<b>Equalize Charge Output Voltage</b>	CH1812 Charge 12 Vdc battery at 14.5 Vdc CH1824 Charge 24 Vdc battery at 28.8 Vdc	<b>Protection</b>	Short circuit, over current, charge fail alarm, over voltage, no current drain when input power is off
<b>Float Charge Output Voltage</b>	CH1812 Charge 12 Vdc battery at 13.8 Vdc CH1824 Charge 24 Vdc battery at 27.6 Vdc	<b>Output Current Range</b>	0.5 to 20.0 Adc
<b>Equalize Charge Voltage Range</b>	12 Vdc 13.5 to 16.0 Vdc (adjustable) 24 Vdc 27.0 to 31.0 Vdc (adjustable)	<b>Voltage Regulation</b>	Less than +/-1%
		<b>Equalize Charging Time</b>	6, 12, 24 hours setting
		<b>Charge Mode</b>	Float charge and equalize charge
		<b>Cooling</b>	Forced fan cooling
		<b>Efficiency</b>	More than 80% @ full load
		<b>Ripple</b>	+/-3%

### Environment

<b>Operating Temperature</b>	-20 to +60 °C
<b>Storage Temperature</b>	-20 to +40 °C
<b>Relative Humidity</b>	Max. 90%

### Physical Specifications

<b>Dimensions</b>	315.0 (L) x 253.0 (W) x 233.0 (H) mm
<b>Weight</b>	CH1812 15.6 Kg +/-2% CH1824 21.0 Kg +/-2%

### Front View and Illustrations

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

### Dimensions

