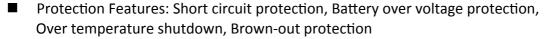


# ADVANCED BATTERY CHARGER ACH-SERIES

#### Features:

- Universal AC input with active PFC
- RS-232 communication interface
- Support optional remote controller (ACR-1)
- 2-stage fan speed control
- Output power OK signal
- Dry contact for alarm
- High efficiency and high reliability
- Compatible with Lead Acid, Li-ion, Gel and AGM BATT.
- Built-in battery rescue function & Engine Start Battery (ESB) output function
- Voltage / temperature compensation with battery temp. sensor (Optional)
- Withstand 2G vibration test







## Application:

Designed for a variety of mobile applications such as commercial, emergency and recreational vehicles / marine vessels.

### **Battery Charging Curve**

	BULK	ABSORPTION	FLOAT	RECONDITION
Voltage Current				
Charging stage	Reduce charging time by charging at maximum current (Constant current mode)	Make sure the battery is fully charged without overcharging (Constant voltage mode)	Maintain the battery at 100% charge condition	Reconditioning the battery
Charging spec	Charging at rated current	14.4V/28.8V until the current drops to 6.25% of rated current. Default time is 24 hours.	Stay at 13.8V/27.6V. Default time is 288 hours (12 days).	14.4/28.8V with rated current for 85 minutes. Recondition will take place after Float stage stays for 288 hours (12 days).

#### Series Model:

Model	Charging Current (Amp)	Charging Voltage (Volt)	AC Voltage	Working Temp.	Dimension (WxHxD)
ACH-1215	15A (Max.)	14.4V	90~264VAC	-20°C~+50°C	179x63x238 mm
ACH-1225	25A (Max.)				179x63x238 mm
ACH-1235	35A (Max.)				179x63x274 mm
ACH-1250	50A (Max.)				208.5x75x283 mm
ACH-1280	80A (Max.)				208.5x75x303 mm
ACH-2415	12.5A (Max.)	28.8V	90~264VAC	-20°C~+50°C	179x63x238 mm
ACH-2425	25A (Max.)				208.5x75x283 mm
ACH-2440	40A (Max.)				208.5x75x303 mm

<sup>\*</sup>The specifications subject to change without prior notice

