

# BACM2420A

## 蓄电池充电器

### BATTERY CHARGER



#### ● 简介

专门针对发电机组起动用蓄电池充电特性而设计。适用于 24V 或 12V 蓄电池组，最大输出电流为 20A。

#### ● 特点

- 支持铅酸电池、锂电池、钙-钙电池、镍镉电池
- 可根据需要选择二段式或者三段式充电法自动充电
- 内置PFC电路，功率因数校准最高可达到0.99
- 蓄电池电压检测接口，可实时检测蓄电池电压
- 蓄电池欠压报警输出接口，当蓄电池电压低于电池欠压阈值并经过延时，该端口输出低电平
- 温度传感器接口，可以实时监测蓄电池温度，并具有温度补偿，有效防止蓄电池温度过高
- 市电失败报警接口，当交流输入断电时，该端口输出低电平
- 并联均流
- 标准RS485串行通信接口，可连接上位机软件进行参数修改

#### Overview

It is specially designed for charging characteristics of the batteries used for engine starter. The charger is suitable for 24V or 12V batteries, and its maximum output current is 20A.

#### Features

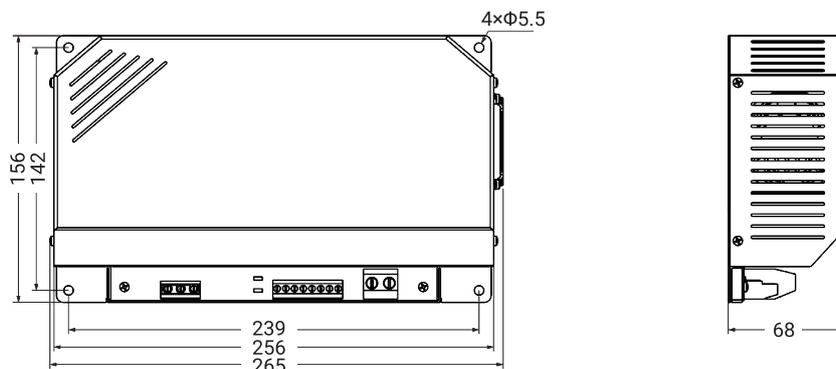
- Support lead-acid batteries, lithium-ion batteries, calcium-calcium batteries, and nickel-cadmium batteries
- Users can select automatic two-stage or three-stage charging process according to needs
- Built-in PFC circuit, which allows to calibrate the power factor up to 0.99
- Battery voltage detection ports, which can detect the real-time battery voltage
- Battery under voltage output port, which can output low level signal immediately when the battery voltage has fallen below the set value after preset delay
- Temperature sensor port, which can monitor the real-time battery temperature. With temperature compensation function, it can prevent too high battery temperature effectively
- Mains failure alarm port, which can output low level signal when the AC input is interrupted
- Parallel current sharing
- Standard RS485 serial communication port allows users to modify parameters via upper PC software



<p>输入特性 Input Characteristics</p>	<p>标称交流输入电压 12V/24V: AC(100~277V) 最大交流输入特性 12V/24V: AC(90~305V) 最大输入电流 12V: 4.2A, 24V: 8.2A</p>	<p>Nominal AC Voltage Input 12V/24V: AC(100~277V) Max. AC Voltage Input 12V/24V: AC(90~305V) Max. Current Input 12V: 4.2A, 24V: 8.2A</p>
<p>输出特性 Output Characteristics</p>	<p>额定充电电流 12V/24V: 20A</p>	<p>Rated Charging Current 12V/24V: 20A</p>
<p>绝缘性能 Dielectric Strength</p>	<p>绝缘电阻: 输入与输出、输入与外壳均为DC1000V 1min条件下, 绝缘电阻<math>RL \geq 50M\Omega</math> 绝缘电压: 输入与输出、输入与外壳为 AC3000V 50Hz 1min 漏电流<math>IL \leq 3mA</math> 输出与外壳 AC500V 50Hz 1min 漏电流<math>IL \leq 3mA</math></p>	<p>Insulation Resistance: Input and output, input and shell: Insulation resistance <math>RL \geq 50M\Omega</math> under DC1000V for 1min Insulation Voltage: Input and output, input and shell: Leakage current <math>IL \leq 3mA</math> under AC3000V/50Hz for 1min Output and shell: Leakage current <math>IL \leq 3mA</math> under AC500V/50Hz for 1min</p>
<p>环境 Environment</p>	<p>工作温度: (-30~+55)<math>^{\circ}C</math> 工作湿度: (20~93)%RH 贮存温度: (-40~+85)<math>^{\circ}C</math></p>	<p>Working Temperature: (-30~+55)<math>^{\circ}C</math> Working Humidity: (20~93)%RH Storage Temperature: (-40~+85)<math>^{\circ}C</math></p>
<p>结构 Structure</p>	<p>外形尺寸: 265 × 156 × 68mm</p>	<p>Overall Dimensions: 265 × 156 × 68mm</p>
<p>认证 Certificates</p>	<p>CE、RS、CCS</p>	<p>Certification: CE、RS、CCS</p>

● 尺寸 Dimensions

单位(Unit): mm



● 端口 Ports

<p>交流输入 AC Input</p>	<p>RS485</p>	<p>市电失败输出 Mains Failure Output</p>	<p>可编程输入口(1) Aux. Input (1)</p>	<p>电池电压采样 Battery Voltage Sample</p>	<p>蓄电池温度传感器接口 Battery Temp. Sensor Port</p>	<p>可编程输出口 (默认欠压使能) Aux. Output (Under voltage detection is enabled by default)</p>	<p>充电器输出 Charger Output</p>
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