



### ■ Features for HEP-600C

- 3 stage charger for lead-acid batteries and Li-ion batteries in harsh environment
- **Universal AC input 90~305VAC**
- Built-in active PFC function
- No load power consumption < 0.5W at remote OFF
- **High efficiency up to 95.5%**
- **Fanless design, cooling by free air convection**
- **-40~+70°C wide operating range**
- Aluminum case and filling with heat-conducted silicone
- **Withstand 10G vibration test**
- Operating altitude up to 5000 meters
- Vo and Io can be adjusted through internal potentiometer
- Protections: Short circuit / Over voltage / Over temperature
- 3 color LED loading indicator
- **6 years warranty**

### ■ Features for RPB-1600/RCB-1600

- Intelligent charger with programmable 3 stage curve for lead-acid batteries and Li-ion batteries
- Universal AC input / Full range
- Built-in active PFC function
- **Built-in I<sup>2</sup>C interface, PMBus protocol (optional CANBus)**
- **1U low profile (41mm height)**
- **Rack mountable (RCB-1600), support hot swap (hot plug)**
- **Output voltage and current programmable**
- Withstand 300VAC surge input for 5 seconds
- Forced air cooling by built-in DC fan
- Built-in OR-ing FET
- **Active current sharing up to 4800W (2+1) for RPB-1600, 8000W with one 19" rack shelf (RHP-1U□-A) for RCB-1600**
- Protections: Battery under voltage / Battery no connection / Short circuit / Over voltage / Over temperature
- 3 color LED loading indicator
- Optional conformal coating
- **5 years warranty**

### ■ General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)

Order No.	HEP-600C	RPB-1600	RCB-1600
AC input voltage range	90~305VAC; 127~431VDC	90 ~ 264VAC; 127 ~ 370VDC	
AC inrush current (max.)	Cold start, 70A at 230VAC	Cold start, 35A at 230VAC	
DC adjustment range	Vo: 95%~125% rated output voltage	Vo: -1%~+22.5% by potentiometer, or to 75%~125% of nominal output voltage by 1~5VDC <b>external control signal</b> Io: to 20%~100% of rated output current by 1-5VDC <b>external control signal</b>	
Over voltage protection	112%~142% shut down o/p voltage, re-power on to recover	130%~155% shut down o/p voltage, re-power on to recover	
Working temperature	-40~+70°C (refer to output derating curve)	-30~+70°C (refer to output derating curve)	
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC	I/P-O/P:3KVAC, I/P-FG:2KVAC, O/P-FG:1.5KVAC	
Safety standards	UL60950-1, TUV EN60950-1 approved		
EMC standards	EN55022 conduction class B, radiation class A; EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11		
Connection	3+7P / 11mm pitch terminal block with cover	bus bars	Postronic PCIM34W13M400A1
Dimension(LxWxH)(mm)	280x 144x 48.5	300x 85x 41	

### ■ HEP-600 Series



Model No.	Output	Effi.
HEP-600C-12	14.4V, 0~35.0A	93.5%
HEP-600C-24	28.8V, 0~21.0A	94.5%
HEP-600C-48	57.6V, 0~10.5A	95.5%

### ■ RPB-1600 Series



Model No.	Output	Effi.
RPB-1600-12	14.4V, 0~100A	87.0%
RPB-1600-24	28.8V, 0~55A	90.5%
RPB-1600-48	57.6V, 0~27.5A	93.0%

### ■ RCB-1600 Series



Model No.	Output	Effi.
RCB-1600-12	14.4V, 0~100A	87.0%
RCB-1600-24	28.8V, 0~55A	90.5%
RCB-1600-48	57.6V, 0~27.5A	93.0%



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