

# HBC 800 - 1200 SERIES

AC/DC Single Output: 800 - 1200 Watts



## Features

- Dual input 115/240 VAC
- High density/compact package.
- Any voltage from 12V - 130V possible.
- Suitable for battery charging applications.
- N+1 redundancy option.
- Alarm option, optocoupler or relay.
- Full electronic protection and field proven design topology.
- Quality components, high MTBF >100,000hrs
- Thermal shutdown.
- Meets international safety and EMC standards.

## Specifications

<b>INPUT VOLTAGE:</b>	115/240 VAC link selectable.
<b>FREQUENCY:</b>	47- 63Hz (400Hz optional)
<b>INPUT PROTECTION:</b>	Thermal fuse and inrush current limiting
<b>ISOLATION:</b>	Input - output: 4300 VDC Input - chassis: 2250 VDC Output - chassis: 500 VDC
<b>SAFETY:</b>	Designed to comply with IEC950, UL1950, CSA and AS3260
<b>OUTPUT VOLTAGE:</b>	Any voltage from 12 - 130V possible. 12V, 24V, 48V are standard. V out is customer specified and factory set.
<b>VOLTAGE ADJUSTMENT:</b>	±5% (other options on request).
<b>OUTPUT POWER:</b>	800-1200 watts.
<b>EFFICIENCY:</b>	Typically 80% at rated power and input.
<b>REGULATION:</b>	±1.0% line and load combined. Tighter specs. available on request.
<b>OVP:</b>	Double regulator loop protection
<b>OVERLOAD PROTECTION:</b>	Rectangular current limit with short circuit protection. Thermal shutdown with automatic reset in case of insufficient air flow.
<b>PARALLEL OPERATION:</b>	Yes. Optional, consult office.
<b>EMI/RFI:</b>	EN55022 level A emissions.
<b>RIPPLE &amp; NOISE:</b>	<1.0% of output nominal voltage pk-pk or 0.2% rms (20MHZ BW).
<b>HOLD UP TIME:</b>	10ms minimum at rated load for 5% drop of output voltage.
<b>OPERATING TEMP:</b>	0°C to 50°C at rated load.
<b>TEMPERATURE DRIFT:</b>	0.03% per °C over operating range.
<b>COOLING:</b>	Internal fan.
<b>HUMIDITY:</b>	10 - 90% non-condensing
<b>DIMENSIONS:</b>	5" x 5" x 12" enclosed package (305 x 127 x 127mm)
<b>MTBF:</b>	>100,000hrs
<b>REUNDANCY (Option R):</b>	Redundancy diode for n+1
<b>CONNECTIONS:</b>	Screw type terminal block
<b>ALARM (Optional):</b>	Output fail via CE optocoupler, normal operation "low". Relay contact alarm optional.

MODEL	Output V	A	Power W	Package
HBC800	12V~120V	75A	800W	5 * 5 * 12
HBC900	12V~60V	75A	900W	5 * 5 * 12
HBC1000	12V~60V	75A	1000W	5 * 5 * 12
HBC1200	12V~60V	80A	1200W	5 * 5 * 12

Notes:

1. **Any voltage** setting available within the range indicated.
2. **Output voltage**, is customer specified and factory set.
3. **Output current** must not exceed output specified.
4. **Maximum power** must not be exceeded.
5. **Part No.** will be factory allocated at time of order.
6. A number of units of the same model can be connected in parallel for increased power.



# PFC 1000 SERIES

AC/DC Single Output: 700 - 1500 Watts



## Features

- Universal input with power factor correction.
- High density/compact package.
- Any voltage from 12V - 130V possible.
- Suitable for battery charging applications..
- N+1 redundancy option..
- Alarm option, optocoupler or relay.
- Full electronic protection and field proven design topology
- Quality components, high MTBF > 100,000hrs
- Thermal shutdown.
- Meets international safety and EMC standards.

MODEL	Output V A	Power W	Package
PFC700	12~60V 20A	700W	6E3 - 16
PFC619	12~60V 20A	1000W	6E3 - 16
PFC1000	12~120V 75A	1000W	5 * 5 * 12
PFC1500	12~120V 85A	1500W	5 * 5 * 12

Notes:

1. **Any voltage** setting available within the range indicated.
2. **Output voltage**, is customer specified and factory set.
3. **Output current** must not exceed maximum indicated.
4. **Maximum power** must not be exceeded.
5. **Part No.** will be factory allocated at time of order.
6. A number of units of the same model can be connected in parallel for increased power.

## Specifications

<b>INPUT VOLTAGE:</b>	90 - 264 VAC or 110 - 360 VDC
<b>POWER FACTOR:</b>	0.98 typical at rated power.
<b>FREQUENCY:</b>	47- 63Hz (400Hz optional)
<b>INPUT PROTECTION:</b>	Thermal fuse and inrush current limiting.
<b>ISOLATION:</b>	Input - output: 4300 VDC Input - chassis: 2250 VDC Output - chassis: 500 VDC
<b>SAFETY:</b>	Designed to comply with IEC950, UL1950, CSA and AS3260
<b>OUTPUT VOLTAGE:</b>	Any voltage from 12 - 130V possible. 12V, 24V and 48V are standard V out is customer specified and factory set.
<b>VOLTAGE ADJUSTMENT:</b>	±5% (other options on request).
<b>OUTPUT POWER:</b>	700-1500 watts.
<b>EFFICIENCY:</b>	Typically 80% at rated power.
<b>REGULATION:</b>	±1.0% line and load combined. Tighter specs. available on request.
<b>OVP:</b>	Double regulator loop protection
<b>OVERLOAD PROTECTION:</b>	Rectangular current limit with short circuit protection. Thermal shutdown with automatic reset in case of insufficient air flow.
<b>PARALLEL OPERATION:</b>	Yes. Optional, consult office.
<b>EMI/RFI:</b>	EN55022 level A emissions.
<b>RIPPLE &amp; NOISE:</b>	<1.0% of output nominal voltage pk-pk or 0.2% rms (20MHZ BW).
<b>HOLD UP TIME:</b>	10ms minimum at rated load for 5% drop of output voltage.
<b>OPERATING TEMP:</b>	0°C to 50°C at rated load.
<b>TEMPERATURE DRIFT:</b>	0.03% per °C over operating range.
<b>COOLING:</b>	Internal fan.
<b>HUMIDITY:</b>	10 - 90% non-condensing
<b>DIMENSIONS:</b>	5" x 5" x 12" enclosed package (305 x 127 x 127mm) 6U x 16HP x 304mm Eurocard
<b>MTBF:</b>	>100,000hrs
<b>CONNECTIONS:</b>	Screw type terminal block PFC1000 - 1500 DIN4162 H15 spade: PFC700 - PFC619
<b>ALARM:</b>	Output fail via optocoupler, normal operation "low". Relay contact alarm optional.

