



# HE1U SERIES

300, 750, 1500W HIGH EFFICIENCY 1U AC to DC POWER SUPPLY



\*Front & Rear of BC & BMS Version Shown  
1.75" H x 19" W x 14" D

The high efficiency HE1U series DC power supply is designed to provide maximum power in a small package. These high power density units are only 1RU high and 14" deep, yet are able to provide up to 1500 watts from a single AC power outlet. Built into our sturdy chassis with ¼ inch output studs and a terminal strip for DC-OK and internal power supply remote On/Off control.

## POWER SUPPLY FEATURES

- High efficiency up to 93%
- Heavy duty ¼ inch output studs, IP covers available separately (Part Number)
- Universal AC input: 90 to 264VAC [table here](#)
- Protections: short circuit / overload / over voltage / overheat
- High Power 1500 watt Models
- See below (on chart) offered in 300W, 750W, 1500W
- N+1 and 1+1 redundant models available (see Redundant Power Systems Section)
- BB, BBLVD, BMS Can be added to any of these versions;
- BB- diode isolated battery backup terminals for seamless battery backup
- BBLVD- diode isolated battery backup terminals with low voltage disconnect for use with an external battery charger. The LVD disconnects the battery at an adjustable voltage to eliminate battery damage due to over discharging. Protects equipment that is sensitive to low voltage during battery operation. Manual battery disconnect switch included.
- BMS- internal 120 watt 3 stage smart charger with dual diode isolation, backup battery terminals, and low voltage disconnect. Smart charging monitors batteries for optimal charging and maintenance, extending battery life.
- Trickle charger substitution for smart charger available upon request



# HE1U SERIES

300, 750, 1600W HIGH EFFICIENCY 1U AC to DC POWER SUPPLY

| Model Number | Output Current (Amps) | Output Voltage VDC | Input Voltage VAC | Panel Height | Weight (lbs) | DC-OK | Battery Disconnect Switch | Charging Current Amps | Suggested Battery Capacity | Disconnect/Reconnect VDC |
|--------------|-----------------------|--------------------|-------------------|--------------|--------------|-------|---------------------------|-----------------------|----------------------------|--------------------------|
|--------------|-----------------------|--------------------|-------------------|--------------|--------------|-------|---------------------------|-----------------------|----------------------------|--------------------------|

## 300 WATT

|           |    |      |        |       |     |     |    |     |     |     |
|-----------|----|------|--------|-------|-----|-----|----|-----|-----|-----|
| HE1U-2012 | 20 | 13.8 | 90-264 | 1.75" | 8.0 | YES | NO | N/A | N/A | N/A |
| HE1U-1024 | 10 | 27.5 | 90-264 | 1.75" | 8.0 | YES | NO | N/A | N/A | N/A |
| HE1U-548  | 5  | 56   | 90-264 | 1.75" | 8.0 | YES | NO | N/A | N/A | N/A |

## 750 WATT

|           |    |      |        |       |     |     |    |     |     |     |
|-----------|----|------|--------|-------|-----|-----|----|-----|-----|-----|
| HE1U-5012 | 50 | 13.8 | 90-264 | 1.75" | 8.0 | YES | NO | N/A | N/A | N/A |
| HE1U-2524 | 25 | 27.5 | 90-264 | 1.75" | 8.0 | YES | NO | N/A | N/A | N/A |
| HE1U-1248 | 12 | 56   | 90-264 | 1.75" | 8.0 | YES | NO | N/A | N/A | N/A |

## 1500 WATT

|            |     |      |        |       |      |     |    |     |     |     |
|------------|-----|------|--------|-------|------|-----|----|-----|-----|-----|
| HE1U-10012 | 100 | 13.8 | 90-264 | 1.75" | 12.0 | YES | NO | N/A | N/A | N/A |
| HE1U-5024  | 50  | 27.5 | 90-264 | 1.75" | 12.0 | YES | NO | N/A | N/A | N/A |
| HE1U-2548  | 25  | 56   | 90-264 | 1.75" | 12.0 | YES | NO | N/A | N/A | N/A |

\*Intended to be used with separate external battery charger to support large AH battery banks. Battery Charging based on external battery charger.



# ©ENTRI SERIES HE1U-MU

RACK MOUNT POWER SUPPLY WITH BUILT IN MONITORING & CONTROL



1.75" H x 19" W x 14" D

DuraComm is refreshing and expanding our HE1U-MU offering. The ©entri Series HE1U power supplies now fully integrate our Site ©entri remote monitoring and control unit adding internal relay protections for a more reliable system. The units feature a new front panel display that allows for on-site adjustment and monitoring along with a new look. Internally, all models now have relay protections on all inputs and outputs with programmable auto-reset, SNMP monitoring, and email notifications. Additionally, the BMS and BBLVD models incorporate a low voltage disconnect to prevent battery over discharging and load, power supply, and battery diode isolation. Separate connectors on the rear of the unit for load and batteries are provided for easy installation.

## POWER SUPPLY FEATURES

- 12, 24, and 48 volt models
- High efficiency: up to 93%
- High power density: up to 750 watts
- Low profile: 1 RU
- User programmable relay protections: short circuit / overload / over voltage / overheat
- User programmable disconnects, reconnects, and resets
- Built in active power factor correction
- Heavy duty ¼" output studs with IP rated coverings
- Optional active current sharing between multiple units
- Alarm notifications by SNMP and email through Ethernet (Optional Form C dry contact output terminals)
- Power supply fail notification with automatic and remote reset
- AC fail notification with automatic and remote reset
- Over temperature notification with automatic and remote reset
- Battery low and low voltage disconnect notification with automatic and remote reset
- Remote Monitoring
- Output voltage and current
- Battery voltage, if present
- AC mains voltage
- System Temperature
- Power rectifier on/off
- Battery backup connect/disconnect if present
- Internally hosted webpage, plug-and-play, no additional software required
- SNMP v1, v2, and v3 integration and monitoring over IP
- Internal data storage via SD card and downloadable .CSV file
- BB model features diode isolated battery inputs
- BBLVD model features diode isolated battery inputs with a low voltage disconnect relay
- BMS model features an internal 3 stage 120 watt smart charger, diode isolated battery inputs, and a low voltage disconnect relay
- 3 year warranty



# ©ENTRI SERIES HE1U-MU

RACK MOUNT POWER SUPPLY WITH BUILT IN MONITORING & CONTROL

| Model Number | Output Current (Amps) | Output Voltage VDC | Input Voltage VAC | Panel Height | Weight (lbs) | Battery Disconnect Switch | Charging Current Amps | Suggested Battery Capacity | Disconnect/Reconnect VDC |
|--------------|-----------------------|--------------------|-------------------|--------------|--------------|---------------------------|-----------------------|----------------------------|--------------------------|
|--------------|-----------------------|--------------------|-------------------|--------------|--------------|---------------------------|-----------------------|----------------------------|--------------------------|

## 300 WATT

|                  |    |      |            |       |     |     |     |           |             |
|------------------|----|------|------------|-------|-----|-----|-----|-----------|-------------|
| HE1U-2012-BMS-MU | 20 | 13.8 | 110 or 220 | 1.75" | 8.4 | YES | 7.2 | 60-120 Ah | 10.4 / 12.5 |
| HE1U-1024-BMS-MU | 10 | 27.5 | 110 or 220 | 1.75" | 8.4 | YES | 4.3 | 30-60 Ah  | 21.5 / 25.5 |
| HE1U-548-BMS-MU  | 5  | 56   | 110 or 220 | 1.75" | 8.4 | YES | 2.2 | 15-30 Ah  | 42.0 / 50.0 |

## 750 WATT

|                  |    |      |            |       |     |     |     |           |             |
|------------------|----|------|------------|-------|-----|-----|-----|-----------|-------------|
| HE1U-5012-BMS-MU | 50 | 13.8 | 110 or 220 | 1.75" | 8.4 | YES | 7.2 | 60-120 Ah | 10.4 / 12.5 |
| HE1U-2524-BMS-MU | 25 | 27.5 | 110 or 220 | 1.75" | 8.4 | YES | 4.3 | 30-60 Ah  | 21.5 / 25.5 |
| HE1U-1248-BMS-MU | 12 | 56   | 110 or 220 | 1.75" | 8.4 | YES | 2.2 | 15-30 Ah  | 42.0 / 50.0 |

\*Intended to be used with separate external battery charger to support large AH battery banks. Battery Charging based on external battery charger.