

DuraComm[®]

A MISSION CRITICAL ELECTRONICS BRAND

HE1U Series Brochure



MCE NETWORK & INDUSTRIAL POWER



DuraComm[®]

NEWMAR



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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.



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

Product 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

Model Number	Output Current	Output Voltage	Input Voltage	Panel Height	Weight	DC-OK	Battery Disconnect Switch	Charging Current	Suggested Battery Capacity	Disconnect/Reconnect
300 W										
HE1U-2012	20 Amps	13.8 VDC	90-264 VAC	1.75"	8 lbs	YES	NO	N/A	N/A	N/A
HE1U-1024	10 Amps	27.5 VDC	90-264 VAC	1.75"	8 lbs	YES	NO	N/A	N/A	N/A
HE1U-548	5 Amps	56 VDC	90-264 VAC	1.75"	8 lbs	YES	NO	N/A	N/A	N/A
750 W										
HE1U-5012	50 Amps	13.8 VDC	90-264 VAC	1.75"	8 lbs	YES	NO	N/A	N/A	N/A
HE1U-2524	25 Amps	27.5 VDC	90-264 VAC	1.75"	8 lbs	YES	NO	N/A	N/A	N/A
HE1U-1248	12 Amps	56 VDC	90-264 VAC	1.75"	8 lbs	YES	NO	N/A	N/A	N/A
1500 W										
HE1U-10012	100 Amps	13.8 VDC	90-264 VAC	1.75"	12 lbs	YES	NO	N/A	N/A	N/A
HE1U-5024	50 Amps	27.5 VDC	90-264 VAC	1.75"	12 lbs	YES	NO	N/A	N/A	N/A
HE1U-2548	25 Amps	56 VDC	90-264 VAC	1.75"	12 lbs	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.

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.



1.75" H x 19" W x 14" D

Product 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

Model Number	Output Current	Output Voltage	Input Voltage	Panel Height	Weight	Battery Disconnect Switch	Charging Current	Suggested Battery Capacity	Disconnect/Reconnect
300 W									
HE1U-2012-BMS-MU	20 Amps	13.8 VDC	110 or 220 VAC	1.75"	8.4 lbs	YES	7.2 Amps	60-120 Ah	10.4 / 12.5 VDC
HE1U-1024-BMS-MU	10 Amps	27.5 VDC	110 or 220 VAC	1.75"	8.4 lbs	YES	4.3 Amps	30-60 Ah	21.5 / 25.5 VDC
HE1U-548-BMS-MU	5 Amps	56 VDC	110 or 220 VAC	1.75"	8.4 lbs	YES	2.2 Amps	15-30 Ah	42.0 / 50.0 VDC
750 W									
HE1U-5012-BMS-MU	50 Amps	13.8 VDC	110 or 220 VAC	1.75"	8.4 lbs	YES	7.2 Amps	60-120 Ah	10.4 / 12.5 VDC
HE1U-2524-BMS-MU	25 Amps	27.5 VDC	110 or 220 VAC	1.75"	8.4 lbs	YES	4.3 Amps	30-60 Ah	21.5 / 25.5 VDC
HE1U-1248-BMS-MU	12 Amps	56 VDC	110 or 220 VAC	1.75"	8.4 lbs	YES	2.2 Amps	15-30 Ah	42.0 / 50.0 VDC

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