



A Benny Lee Company

HE1U SERIES

300W 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 new HE1U Series High Efficiency Rack Mount DC power supply is available in four feature levels with a total of twelve available models. Designed to provide maximum power in a small package these switching supplies are only 1RU high and 14" deep, yet are able to provide ample power for your requirements. 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. These power supplies are 88-89% efficient and incorporate power factor correction on the AC input providing notable energy savings over lower efficiency power supplies.

The HE1U base models provides high power density coupled with a small form factor to supply 300W of available power in an enclosed chassis at 12, 24, or 48 VDC output. The HE1U-BBLVD Models build upon the base model with the addition of integrated seamless battery backup, battery low voltage disconnect and manual battery disconnect switch for maintenance these units are specifically design to be used with our BCR series of battery chargers to support large AH Battery Banks. Next, the HE1U-BC Models builds upon the previous models with the addition of Internal trickle battery charging. The feature rich HE1U-BMS Series builds upon all of previous models with the addition of smart battery charging. These 12 new models offer myriad features in a small package for a great value. Contact us today to learn more about the HE1U and let us help you find the right solution today.

BASIC FEATURES

- Remote Control ON/OFF(Power Module)
- DC-OK TTL signal
- Short Circuit/ Overload/ Over Voltage/ Over Temperature Protection
- 300 Watt High Efficiency Switching Power Module at 12, 24, or 48 VDC output

BBLVD VERSION FEATURES

- Builds upon the base model with the addition of integrated seamless battery backup
- Integrated Low Voltage Disconnect
- Diode Isolated Battery Switch Over
- Manual Battery Disconnect

*** Intended to be used with separate external battery charger to support large AH battery banks*

[Check out our BCR Series](#)

BC VERSION FEATURES

- Builds upon the BBLVD model with the addition of integrated internal Battery Trickle Charger
- Manual Battery Disconnect

BMS VERSION FEATURES

- Adds 120 watt smart battery charger for better battery maintenance
- Selectable Input Voltage 110 or 220VAC
- Manual Battery Disconnect

SPECIFICATIONS

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
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	48	90-264	1.75"	8.0	YES	NO	N/A	N/A	N/A
HE1U-2012-BBLVD	20	13.8	90-264	1.75"	8.4	YES	YES	N/A*	N/A*	10.4 / 12.5
HE1U-1024-BBLVD	10	27.5	90-264	1.75"	8.4	YES	YES	N/A*	N/A*	21.5 / 25.5
HE1U-548-BBLVD	5	56	90-264	1.75"	8.4	YES	YES	N/A*	N/A*	42.0 / 50.0
HE1U-2012-BC	20	13.8	90-264	1.75"	8.4	YES	YES	3.0	60-100 Ah	10.4 / 12.5
HE1U-1024-BC	10	27.5	90-264	1.75"	8.4	YES	YES	3.0	30-60 Ah	21.5 / 25.5
HE1U-548-BC	5	56	90-264	1.75"	8.4	YES	YES	2.0	15-30 Ah	42.0 / 50.0
HE1U-2012-BMS	20	13.8	110 or 220	1.75"	8.4	YES	YES	7.2	60-120 Ah	10.4 / 12.5
HE1U-1024-BMS	10	27.5	110 or 220	1.75"	8.4	YES	YES	4.3	30-60 Ah	21.5 / 25.5
HE1U-548-BMS	5	56	110 or 220	1.75"	8.4	YES	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.