



Data Sheet

High Power Distribution Unit (HPDU) three or single phase models specifications:

High Power Distribution Unit three or single Phase (Ø), single or dual input feeders for A & B redundant distribution configuration of two AC sources or one AC and one DC (horizontal or vertical installation options).

- Input/output 3Ø: 400/230, 208/120 VAC, 50/60- Hz, 3 Wire, Neutral, & Ground
- Input/output 1Ø: 400/230, 208/120 VAC, 50/60- Hz, 2 Wire, Neutral & Ground
- Input/output DC Power: 48 -400 VDC, 2Wire, up to 600A, 29-240 kW at 48-400 VDC
- 2N, 3Ø Power kW: Dual 3Ø, 3W, N + G up to 150A, 108 kW at 208V, 208 kW at 400V
- 1N, 3Ø Power kW: Single 3Ø, 3W, N + G up to 150A, 54 kW at 208V, 104 kW at 400V
- 1N, 1Ø Power kW: Single, 1Ø, 2 W, N +G up to 150A. 31-36kW at 208/230/240 VAC
- Optional main assembly metering: Volts, Amps, KW, Hz. (Wireless Wi-Fi is available)
- Standard current meter/measurement for each output receptacle.
- Hot interchangeable/swappable output distribution modules with configurable receptacle.
- Warranty: One Year
- CE, UL 60950-1, NEMA 1 enclosure.

Main Unit Part Numbers and Description

Model Number	Input & Output Voltages AC, DC 50/60Hz or DC	KVA/kW at 400/230 VAC or 48-400 VDC Input	KVA/kW at 208/120VAC Input	Maximum Current	Input: COPPER THHN, THWN, THWN2, or XHHW. Wiring and conduit per NEC code.		
				Input Breaker size	Number of Wires	Line & Neutral Wire Size	Conduit Size
H3M-2N150-XXX-7 A or D A=AC, D=DC, AD=AC/DC	400/230, 208/120, 240/120, 48-400 VDC	208 – 240kW 104/Source	108 kW 54/Source	AC: 150 Amps, 3P DC: 600 Amps, 2P	3+N&G 2+G	AWG 1/O AWG 3/O WC	2"
H3M-1N150-XXX-6 or 7	208/120 or 240/120	104 kW	54 kW	150 Amps Three Pole	3+N&G	AWG 1/O	2"
H2M-2N150-XXX-7	240/230/208/120	120 kW 60/Source	62 kW 31/Source	150 Amps Two Pole	2+N&G	AWG 1/O	1 1/2"
H2M-1N150-XXX-6 or 7	208/120 or 240/120	60 kW	31 kW	150 Amps Two Pole	2+N&G	AWG 1/O	1 1/2"

Model designation:

1. "H" is for HPDU.
2. "3" is for three phase source, "2" is for single phase source.
3. "M" Metered.
4. "1N" single power feed, "2N" Dual power feeds.
5. "150" is for 150 Amps.
6. "XXX" The type of output receptacles.
7. "6" is for 60" wide unit up to 9 output receptacles, "7" is for 76" wide unit up to 12 output receptacles.

NOTE: The HPDU is rated at 150 Amps but can be fed at a lower amperage and wired accordingly depending on the available power and the customers demand.

Physical dimensions:

Dash "6"	60"W x 5"H x 7"D	35 lbs.
Dash "7"	76"W x 5"H x 7"D	50 lbs.
Dash "Bxx-7"	74"W x 6"H x 8"D	55 lbs.

Note: The "Bxx-7" units come with additional 8"x 8" connection box on the back side adding to the depth of each end.

Output module/receptacles part numbers and description



The HPDU -7 model fits up to 4 Modules per unit, and -6 model fits up to three modules per units

Module model #	# of Receptacle per module & Type	Phase, Voltage, current, kW / Receptacle
M52:	(3) L5-20	(1Ø, 120 VAC, 20 Amps, 2.4 kW)
M53:	(3) L5-30	(1Ø, 120 VAC, 30 Amps, 3.6 kW)
M62:	(3) L6-20	(1Ø, 208 VAC, 20 Amps, 4.2 kW)
M63:	(3) L6-30	(1Ø, 208 VAC, 30 Amps, 6.2 kW)
M42:	(2) L14-20	(1Ø, 208 VAC, 20 Amps, 4.2 kW)
M43:	(2) L14-30	(1Ø, 208 VAC, 30 Amps, 6.2 kW)
M39-132:	(2) IEC 60309-32	(1Ø, 230 VAC, 32 Amps, 7.4 kW)
M39-316	(2) IEC 60309-16	(3Ø, 230 VAC, 32 Amps, 11.0 kW)
M39-332:	(2) IEC 60309-32	(3Ø, 230 VAC, 32 Amps, 22.1 kW)
M22:	(2) L21-20	(3Ø, 208 VAC, 20 Amps, 7.2 kW)
M23:	(2) L21-30	(3Ø, 208 VAC, 30 Amps, 10.8 kW)



Fixed output receptacles

B52:	(12) L5-20	(1Ø, 120 VAC, 20 Amps, 2.4 kW)
B53:	(12) L5-30	(1Ø, 120 VAC, 30 Amps, 3.6 kW)
B62:	(12) L6-20	(1Ø, 208 VAC, 20 Amps, 4.2 kW)
B63:	(12) L6-30	(1Ø, 208 VAC, 30 Amps, 6.2 kW)
B42:	(12) L14-20	(1Ø, 208 VAC, 20 Amps, 4.2 kW)
B43:	(12) L14-30	(1Ø, 208 VAC, 30 Amps, 6.2 kW)
B22:	(12) L21-20	(3Ø, 208 VAC, 20 Amps, 7.2 kW)
B23:	(12) L21-30	(3Ø, 208 VAC, 30 Amps, 10.8 kW)
B39-132:	(12) IEC 60309-32	(1Ø, 230 VAC, 32 Amps, 7.4 kW)
B39-316:	(12) IEC 60309-16	(3Ø, 400 VAC, 16 Amps, 11 kW)
B39-332:	(12) IEC 60309-32	(3Ø, 400 VAC, 32 Amps, 22.1 kW)
BC8:	(12) CS8369-50	(3Ø, 208 VAC, 50 Amps, 18 kW)

