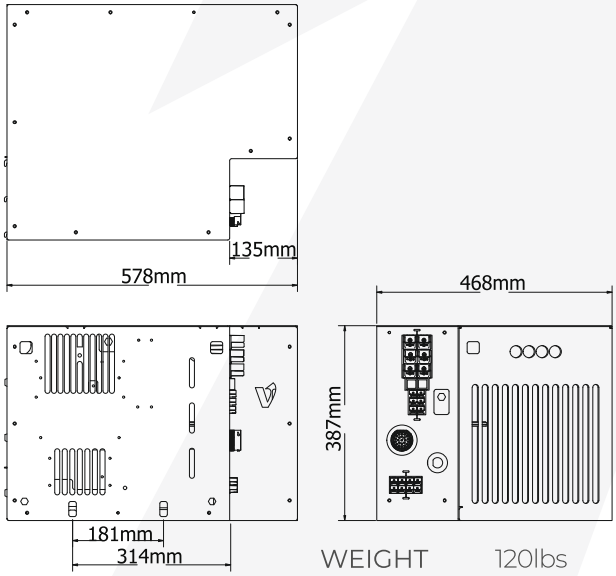
POWER DISTRIBUTION HUB 50
(PDH 50)

VOLTAGEN
www.voltagenpower.com
616 226 4222



WEIGHT 120lbs

FEATURES & COMPONENTS

The PDH 50 simplifies OE integration of advanced energy with a single-unit distribution hub, reduced wiring requirements and a lower footprint.

7,000W 240V INVERTER / CHARGER
- 7,000W Continuous at 25 °C
- Full 50A Shore power experience
- 120V or 120/240VAC Output in One Unit, regardless shore supply
- 15,000W Surge rating
- 6.6kW Charge Power
- 95% Efficient
- UL 458 & UL1741 Certified
- Able to support Level 2 SAE J1772 charging*

51VDC - 12VDC CONVERTER
- 60-240A @13.8V ± .5VDC output**
- Surge up to 50A, 10 seconds
- Efficiency 87%
- DC power supply can be adjusted in voltage and power up to 3kW

MPPT SOLAR CONTROLLER
- Solar input 500-2000W+***
- Charging output 8A @51V
- Up to 97% efficient

DC PORTS
- 51V FLEX Energy Pack 1 DC +/-
- 51V FLEX Energy Pack 2 DC +/-
- 58V Alternator DC +/- OR FLEX PACK 3
- 12V DC Out +/-
- Solar DC +/- (up to 3)

AC PORTS
- 240V 50A AC Input
- 240V 50A AC Output

COMMS
- VPS FLEX COMM
- RVC Capable

BONDING CHASSIS GROUND
- 5/16 eyelet

FUSE RATINGS
- Inverter 120VAC feed fuse = 50 A
- Inverter 51VDC input fuse = 100 A
- DC converter fuses = 15A
- Solar controller fuses = 15 A
- Battery input fuse = 225 A
- Alternator input fuse = 200 A

**Configurable option*
***Configurable to charge from a 12V alternator*
****Solar Solution can be adjusted depending on need*

last updated 12.15.22