

PVP75kW / PVP100kW

MODEL NUMBER

The new PV Powered 75kW and 100kW inverters set the industry standard for high reliability, ease of installation and lifetime maintainability. Their 20-plus year design-life is enabled by an array of new market-leading reliability features including bus bars for all power connections, a sealed electronics module and an instrumented cooling system. The highly-integrated system was designed to save commercial installers time and money with load-rated AC & DC service disconnects, UL-approval for installation without a neutral conductor, cable landing points sized for maximum NEC-compliant cables and a well-planned cable bending radius for top, bottom and side cable entry options.

PV Powered commercial inverters offer a voltage window of 295-600V DC. This is the widest operating range with the lowest standard MPPT voltage of any three-phase inverter in the industry. This provides exceptional stringing capability with all PV modules currently available including new thin film modules. Serviceability is enhanced by a modular design that divides the inverter into easy-to-maintain subsystems. PV Powered backs all their inverters with an industry-leading 10-year nationwide warranty and the best service and support team in the business. A 20 year warranty is available.



FEATURES

Superior Reliability

- Engineered power connections eliminate failure points
- Advanced, high-reliability circuit board system
- Innovative cooling system ensures long IGBT life
- Industrial-grade power supply for long-life and high quality control power

Exceptionally Installable

- Bottom, top and side cable entry
- Generous cable bending area and oversized cable landings
- Complete range of fused DC sub-combiner options
- Exterior mounting flange for fast and easy anchoring
- Error-free AC auto-phasing

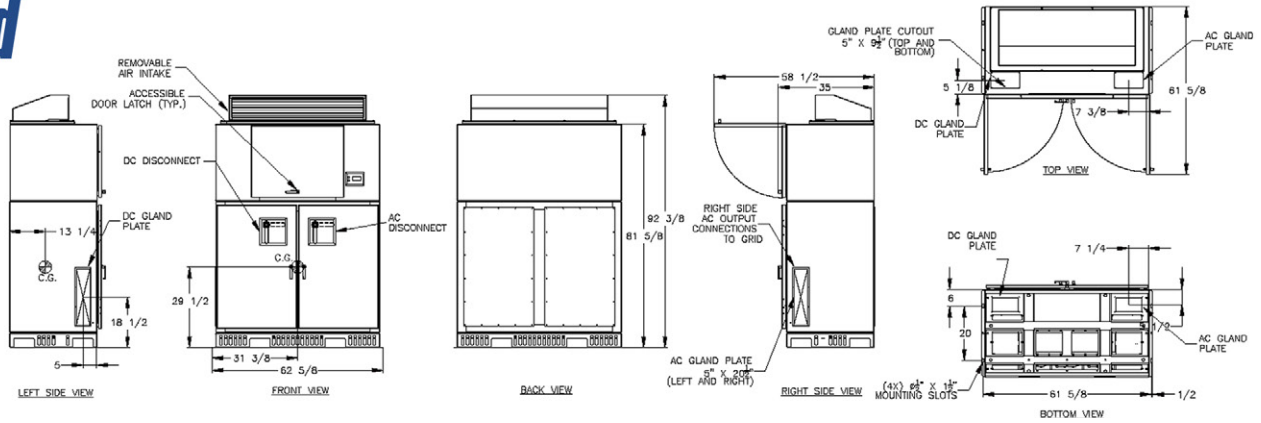
Easy to Maintain

- All maintenance and service via front access
- Load-rated AC and DC service disconnects
- Positive-locking, tool-free circuit board cage
- Optional preventative maintenance program and extended warranty

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MODEL NUMBER

PVPowered
Commercial
Inverter
Series



POWER CHARACTERISTICS:

MODEL	PVP75kW	PVP100kW
Continuous Output Power (kW)	75	100
Peak Efficiency (%)	95.5	95.5 (208V), 96 (480V)
Maximum DC Input Voltage (VOC)	600	600
DC Peak Power Tracking Range (V)	295-500	295-500
DC Imp Nominal Current (A)	267	356
AC Nominal Voltage(V)	208, 480	208, 480
AC Operating Range (V)		
208V	183-228	183-228
480V	422-528	422-528
AC Frequency Range (Hz)	59.3-60.5	59.3-60.5
AC Maximum Continuous Current (A)	208 (208V), 90 (480V)	278 (208V), 120 (480V)
Standby Losses (W)	42	42
Harmonic Distortion (%THD)	<3%	<3%
Power Factor	.99	.99

MECHANICAL SPECIFICATIONS

	NEMA 3R	NEMA 3R
Enclosure	NEMA 3R	NEMA 3R
Construction	Powder Coated Steel	Powder Coated Steel
Mounting	Pad Mount	Pad Mount
Weight (lbs)	2,750	3,000
Cooling	Forced Convection	Forced Convection
Temperature Range (°C)	-30 to 50	-30 to 50
Isolation Transformer	YES	YES

AGENCY APPROVALS:

UL 1741 Rev, IEEE 1547 Compliant, FCC Class A&B

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954.735.2641 888.735.2641