

PVP30kW / PVP75kW

MODEL NUMBER

PV Powered inverters combine the benefits of high reliability, low lifetime cost and leading efficiency into one easy to install system. Their cutting edge design features the latest advances in power technology including an intelligent power module that uses fifth generation, self-protecting IGBT silicon, the most efficient and reliable silicon technology available. System reliability is ensured by superior quality components including integrated 98%-efficiency Energy Star-rated transformer with field-configurable AC voltage output; acid-free, long-life, film-type, capacitors; and a medical grade DC power supply that provides clean, reliable power to system control components.

The PVP30kW and PVP75kW are designed for trouble-free installation with UL approved, load break rated and DC disconnects. The modular design enables rapid field service and field upgrades. With corrosion-resistant, aluminum construction and at half the size and weight of comparable products, they can quickly and easily be installed in your preferred location, indoors or out.



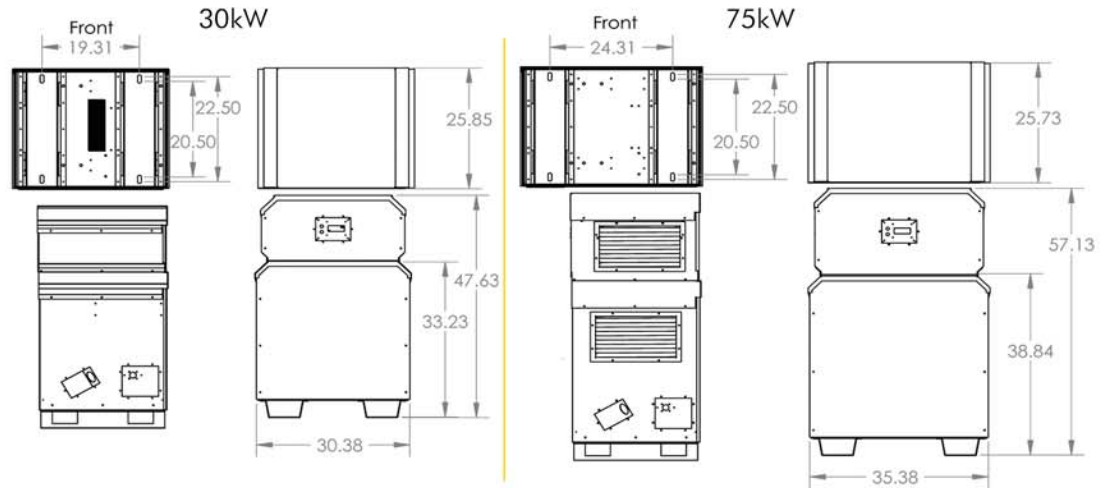
FEATURES

- 94% California's Energy Commission (CEC) efficiency rating
- Field proven design with an exceptionally low part count
- High-efficiency, reliability-focused architecture with best-in-class components
- 10-year warranty. Optional 15- and 20- year warranty
- Automatic night disconnect minimizes tare losses
- Soft start circuit eliminates a leading source of nuisance faults
- Innovative active cooling with sealed electronics keeps critical components cool and clean, maximizing life
- Field-configurable 208V or 480V AC output
- UL certified 3-wire installation does not require a separate neutral from service to inverter, saving time and money
- Web-based monitoring of critical system parameters
- Four-line LCD status/performance display

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MODEL NUMBER

PVPowered
Commercial
Inverter
Series



POWER CHARACTERISTICS:

MODEL	PVP30kW	PVP75kW
Continuous Output Power (kW)	30	75
Peak Efficiency (%)	>95	TBD
Weighted CEC Efficiency (%)	94	TBD
Maximum DC Input Voltage (VOC)	600	600
DC Voltage Operating Range (V)	330-600	330-600
DC Peak Power Tracking Range (V)	330-550	330-550
DC Isc Maximum Current (A)	125	300
DC Imp Maximum Current (A)	91	227
AC Nominal Voltage-field Configurable (V)	208 AND 480	208 and 480
AC Operating Range (V)		
208	183-228	183-228
480	422-528	422-528
AC Frequency Range (Hz)	59.3-60.5	59.3-60.5
AC Maximum Continuous Current (A)	83 (208v), 36 (480v)	208 (208V), 90 (480V)
Standby Losses (W)	17	17
Harmonic Distortion (%THD)	1.6% at 75% Output	<2 at 75% Output
Power Factor	1.0 at >50% Output	1.0 >50% Output

MECHANICAL SPECIFICATIONS:

Enclosure	NEMA 3R	NEMA 3R
Construction	Aluminum	Aluminum
Mounting	Pad Mount	Pad Mount
Weight (lbs)	720	TBD
Cooling	Forced Convection	Forced Convection
Temperate Range (C°)	-25 to 45	-25 to 45
Isolation Transformers	YES	YES

AGENCY APPROVALS:

UL 1741 Nov 2005 Rev, IEEE 1547 Compliant, FCC Class A&B	YES	YES
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