

PVP30kW

MODEL NUMBER

PV Powered commercial 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%-efficient 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. A 20 year warranty is available.

The PVP30kW is designed for trouble-free installation with UL approved, load break rated AC 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, it can quickly and easily be installed in your preferred location, indoors or out.



FEATURES

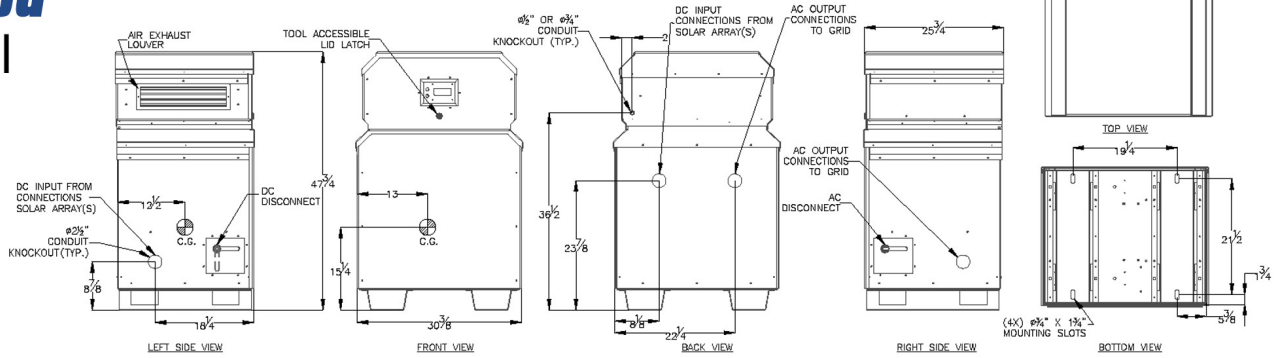
- Best-in-class efficiency
- 295-600V DC operating range
- Field-proven design with an exceptionally low part count
- Nationwide 10-year warranty standard
- Field-configurable 208V or 480V AC output
- AC autophasing night disconnect minimizes tare losses
- Soft start circuit eliminates a leading source of nuisance faults
- Innovative active cooling with sealed electronics keeps critical components cool and clean, maximizing life
- 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

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MODEL NUMBER

DIMENSIONS
30kW

PVPowered
Commercial
Inverter
Series



POWER CHARACTERISTICS:

MODEL	PVP30kW
Continuous Output Power (kW)	30
Peak Efficiency (%)	> 95
Weighted CEC Efficiency (%)	
208V	93.0
208V	93.5
Maximum DC Input Voltage (VOC)	600
DC Peak Power Tracking Range (V)	295 - 500
DC Imp Nominal Current (A)	109
AC Nominal Voltage-Field Configurable (V)	208 and 480
AC Operating Range (V)	
208	183 - 228
480	422 - 528
AC Frequency Range (Hz)	59.3 - 60.5
AC Maximum Continuous Current (A)	83 (208V), 36 (480V)
Standby Losses (W)	17
Harmonic Distortion (%THD)	1.5% at 75% output
Power Factor	1.0 at > 50% output

MECHANICAL SPECIFICATIONS

Enclosure	NEMA 3R
Construction	Aluminum
Mounting	Pad Mount
Weight (lbs)	760
Cooling	Forced Convection
Temperature Range (Co)	-25 to 45
Isolation Transformer	YES

AGENCY APPROVALS:

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

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ADVANCED GREEN TECHNOLOGIES

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