



## PVP260kW

The industry standard for reliability, installability and maintainability

The PVP260kW raises the bar once again for commercial inverter reliability, ease of installation and lifetime maintainability, while delivering best-in-class 97.0% CEC efficiency. High reliability is enabled by market-leading features including busbar power connections, redundant cooling system, card cage circuit board design and the widest temperature rating of any inverter in its class. The highly integrated system saves installers time and money by including load break rated AC & DC service disconnects, neutral-free installation, oversized busbar landings and generous cable bending area with bottom and side cable entry options.

### Superior Reliability

- Redundant cooling system with Smart Air Management™
- Low parts count reduces potential failure points
- Engineered busbar power connections
- Card cage circuit board system minimizes electronic interconnections

### Exceptional Installability

- Bottom and side entry with generous bending area and oversized busbar landings
- Large DC sub-combiner compartment with multiple fuse options from 70A to 400A
- Optional full power output at 265 VDC enables more PV array design options
- Exterior mounting flanges for fast and easy anchoring with no pre-drilling

### Easy to Maintain

- All maintenance and service via front access
- Fast change circuit board system shortens service time
- Load break rated AC and DC service disconnects



PV Powered and Solaron products built in the U.S. are fully compliant with the Buy American Act and qualify for projects funded by the federal stimulus package.



The PVP260kW has a standard 295VDC minimum MPPT and an optional full power 265VDC minimum MPPT - the lowest MPPT voltage of any commercial inverter in the industry. This low input voltage option enables exceptional stringing capability with all PV module technologies including thin film modules.

Advanced Energy backs all its commercial inverters with an industry-leading 10-year nationwide warranty and an unprecedented optional 20-year warranty; plus the best service and support team in the business.

## Specifications

Model	PVP260kW	PVP260kW-LV
<b>Electrical Specifications</b>		
Continuous Output Power (kW)	260kW	260kW
Weighted CEC Efficiency (%)	97.0%	96.5%
Maximum DC Input Voltage (VDC)	600	600
DC Peak Power Tracking Range (V)	295-500	265-500
DC Imp Nominal Current (A)	925	1030
AC Nominal Voltage (V)	480Y	480Y
AC Operating Range (V)	423-528	423-528
AC Frequency Range (Hz)	59.3-60.5	59.3-60.5
AC Maximum Continuous Current (A)	316	316
Standby Losses (W)	67	67
Harmonic Distortion (%THD)	<3%	<3%
Power Factor	>.99	>.99
<b>Mechanical Specifications</b>		
Enclosure	NEMA 4	NEMA 4
Construction	Powder Coated Steel Optional Stainless Steel	Powder Coated Steel Optional Stainless Steel
Mounting	Pad Mount	Pad Mount
Weight (lbs)	5,000	5,000
Cooling	Forced Convection	Forced Convection
Operating Ambient Temperature Range (°C)	-30 to 50	-30 to 50
Standby/Storage Ambient Temperature Range (°C)	-40 to 60	-40 to 60
Noise Emission <sup>1</sup> - at full load (Value @ Distance)	62dBA @ 8ft 55dBA @ 50ft	62dBA @ 8ft 55dBA @ 50ft
Options	Complete range of integrated fused sub-array combiners from 4 to 20 fuses and from 70 to 200 Amps Fused subcombiners with monitoring: 8 x 200A, 16 x 100A Integrated revenue grade meter Integrated data monitoring solutions Preventative maintenance program 20-Year extended warranty Stainless Steel Enclosure	
Agency Approvals	UL 1741, IEEE519, IEEE929, IEEE1547, CSA 107.1-1 FCC Class A for conducted and radiated	

- Declared Dual-Number noise emission values in accordance with ISO 4871 measured with A-weighted time average sound pressure levels and uncertainty value (K) of 3 dBA.

## Performance Monitoring

Increase uptime and reduce maintenance costs with an inverter-integrated monitoring solution housed on a UL508A panel to deliver the highest level of safety and reliability. With optional revenue grade meter and subcombiner monitoring, Advanced Energy offers unprecedented choice and convenience.

Specifications are subject to change without notice.

## Dimensions

