

PVI 50KW
PVI 60KW
PVI 75KW
PVI 85KW
PVI 100KW

FEATURES

- Highest peak and CEC efficiencies
- 50, 60, 75, 85 and 100 kW
- Integrated AC and DC disconnects
- Transformer isolated
- 208 VAC, 240 VAC, 480 VAC or 600 VAC
- Modbus communications
- User-interactive LCD

OPTIONS

- Premium efficient models
- Fused or breaker subcombiners
- Forward facing disconnects
- Stainless steel enclosure
- Web-based monitoring
- Sub-array monitoring
- Built-in cellular connectivity
- Dust filter

OPTIONS FOR UTILITIES

- Real power curtailment
- Reactive power control
- Voltage ride through
- Frequency ride through



COMMERCIAL INVERTERS

The most customizable full-line of commercial grid-tied PV inverters available today, the PVI 50-100KW series has been utilized in projects ranging from 30kW to multi-megawatt solar farms. This series of inverters is capable of operating at 208 VAC, 240 VAC, 480 VAC, and 600 VAC and comes standard with AC and DC disconnects, transformer isolation, LCD display, and monitoring gateway. Options include premium efficient models, integrated fused or breaker subcombiners, forward facing disconnects, stainless steel enclosure, web-based and sub-array monitoring, built-in cellular connectivity, and a dust filter. AC voltage and frequency settings may be customized according to utility specifications.



SPECIFICATIONS		PVI 50KW	PVI 60KW	PVI 75KW PVI 75KW-PE	PVI 85KW PVI 85KW-PE	PVI 100KW PVI 100KW-PE
DC Input						
Absolute Maximum Input Voltage		600 VDC				
MPPT Input Voltage Range		300-500 VDC				
Maximum Operating Input Current		176 A	211 A	264 A	299 A	351 A
AC Output						
Nominal Output Voltage		208, 240, 480 or 600 VAC, 3-Ph (3 wire standard, 4 wire option)				
AC Voltage Range (Standard)		-12%/+10%				
Continuous Output Power		50 kW	60 kW	75 kW	85 kW	100 kW
Continuous Output Current	208 VAC	139 A	167 A	208 A	236 A	278 A
	240 VAC	120 A	144 A	180 A	205 A	240 A
	480 VAC	60 A	72 A	90 A	102 A	120 A
	600 VAC	48 A	58 A	72 A	82 A	96 A
Maximum Backfeed Current		0 A				
Nominal Output Frequency		60 Hz				
Output Frequency Range		59.3-60.5 Hz				
Power Factor		1.0				
Total Harmonic Distortion (THD)		<3%				
Efficiency						
Peak Efficiency	208 or 240 VAC	96.7%		97.3%	96.6%	96.5%
	208 VAC Premium (PE)	--		97.8%		97.0%
	480 or 600 VAC	96.5%		97.2%		96.9%
	480 VAC Premium (PE)	--		97.8%		97.5%
CEC Efficiency	208 or 240 VAC	96.0%		97.0%		96.0%
	208 VAC Premium (PE)	--		97.5%		96.5%
	480 VAC	96.0%		97.0%		96.5%
	480 VAC Premium (PE)	--		97.5%		97.0%
Tare Loss		3 W				
Subcombiner Options						
Fuses or Breakers		2-8 positions, 40-300 A				
Temperature						
Ambient Temperature Range (full power)		-40°F to +131°F (-40°C to +55°C)				
Storage Temperature Range		-40°F to +131°F (-40°C to +55°C)				
Relative Humidity (non-condensing)		0-95%				
Monitoring Options						
Web-based Monitoring (Inverter Direct)		SolrenView				
Revenue Grade Monitoring		External				
Sub-Array Monitoring (SolZone)		2-8 zones				
Cellular Communication		SolrenView AIR				
Third Party Compatibility		Standard via Modbus				
Certifications						
Safety Listings & Certifications		UL 1741/IEEE 1547, IEEE 1547.1, CSA C22.2#107.1, FCC part 15 B				
Certification Agency		ETL				
Warranty						
Standard		5 year				
Optional		10, 15, 20 year; extended service agreement; uptime guarantee				
Enclosure						
Transformer		Standard, fully-integrated (internal)				
AC/DC Disconnects		Standard, fully-integrated				
Dimensions - Side Facing Disconnects (H x W x D)		78.2 in. x 50-53 in. x 33 in. (1986 mm x 1270-1346 mm x 838 mm)*				
Dimensions - Forward Facing Disconnects (H x W x D)		78.2 in. x 79-88 in. x 33 in. (1986 mm x 2007-2235 mm x 838 mm)*				
Weight		1450 lbs (659 kg)	1875 lbs (852 kg)	2070 lbs (941 kg)		
Enclosure Rating		NEMA 3R				
Enclosure Finish		Polyester powder coated steel; Optional 316 stainless steel				

*Width dependent upon rating of disconnect chosen

