

PVI 60KW

PVI 82KW

PVI 95KW

FEATURES

- Fully-integrated design
- Transformer isolated
- 208 VAC, 240 VAC, 480 VAC or 600 VAC
- MODBUS communications
- User-interactive LCD display

OPTIONS

- Fused subcombiners
- Forward facing disconnects
- Stainless steel enclosure
- Web-based monitoring
- Sub-array monitoring
- Built-in cellular connectivity

OPTIONS FOR UTILITIES

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



COMMERCIAL INVERTERS

The most fully customizable line of commercial grid-tied PV inverters available today, the PVI 60KW, PVI 82KW, and PVI 95KW series of Solectria Renewables inverters has been utilized in projects ranging from 50kW 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, isolation transformer, LCD display and monitoring gateway. Options include an integrated fused subcombiner, forward facing disconnects, stainless steel enclosure and web-based monitoring. AC voltage and frequency settings may be customized according to utility specifications.



SPECIFICATIONS		PVI 60KW	PVI 82KW	PVI 95KW
DC Input				
Absolute Maximum Input Voltage		600 VDC		
MPPT Input Voltage Range		312-500 VDC		
MPPT Input Voltage Range - Low Voltage Option		296-500 VDC		
Maximum Operating Input Current		201 A	278 A	320 A
Maximum Operating Input Current - Low Voltage Option		212 A	293 A	337 A
AC Output				
Nominal Output Voltage		208, 240, 480 or 600 VAC, 3-Ph (4 wire option)		
AC Voltage Range (Standard)		-12%/+10%		
Continuous Output Power		60 kW	82 kW	95 kW
Continuous Output Current	208 VAC	167 A	228 A	264 A
	240 VAC	145 A	198 A	229 A
	480 VAC	73 A	100 A	115 A
	600 VAC	58 A	80 A	92 A
Maximum Backfeed Current		0 A		
Nominal Output Frequency		60 Hz		
Output Frequency Range		59.3-60.5 Hz		
Power Factor		Unity, >0.99		
Total Harmonic Distortion (THD)		<3%		
Efficiency				
Peak Efficiency	208/240 VAC	95.7%	95.6%	95.3%
	480/600 VAC	96.5%	96.5%	96.5%
CEC Efficiency	208 VAC	94.0%	94.5%	94.5%
	480 VAC	95.5%	95.5%	95.5%
Tare Loss	208 VAC	4 W		
	240 VAC	4 W		
	480 VAC	5 W		
	600 VAC	7 W		
Subcombiner Options				
		2-8 positions, 40-275 A		
Temperature				
Ambient Temperature Range (full power)		-13°F to +122°F (-25°C to +50°C)		
Storage Temperature Range		-13°F to +122°F (-25°C to +50°C)		
Relative Humidity (non-condensing)		5-95%		
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		
Testing & Certifications				
Safety Listings & Certifications		UL 1741/IEEE 1547, IEEE 1547.1, IEEE 62.41.2, IEEE 62.45, IEEE C37.90.2, CSA C22.2#107.1, FCC part 15 B		
Testing 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 208/240 VAC (H x W x D)		76 in. x 56 in. x 29.3 in. (1930 mm x 1422 mm x 744 mm)		
Dimensions 480/600 VAC (H x W x D)		76 in. x 54 in. x 25.3 in. (1930 mm x 1372 mm x 643 mm)		
Weight		1526 lbs (694 kg)	1615 lbs (734 kg)	1748 lbs (794 kg)
Enclosure Rating		NEMA 3R		
Enclosure Finish		Polyester powder coated steel; Optional stainless steel		