

PVI 10KW

PVI 13KW

PVI 15KW

FEATURES

- Smallest true 3-Phase inverter
- Industrial grade
- Transformer isolated
- 208 VAC, 240 VAC, 480 VAC or 600 VAC
- MODBUS communications
- User-interactive LCD display
- Ground or wall mount configurations

OPTIONS

- Integrated DC fused string combiner
- Forward facing disconnects
- Web-based monitoring



CENTRAL INVERTERS

Popular among schools and small business customers, Solectria Renewables' PVI 10KW, PVI 13KW, and PVI 15KW inverters are the smallest true three-phase PV Inverter series in the industry. This series of central inverters is available in 208 VAC, 240 VAC, 480 VAC, and 600 VAC versions and comes standard with integrated AC and DC disconnects, LCD display, and monitoring gateway. Options include an integrated 8 position fused string combiner, forward facing disconnects, and web-based monitoring.



SPECIFICATIONS		PVI 10KW	PVI 13KW	PVI 15KW
DC Input				
Absolute Maximum Input Voltage		475 VDC		
MPPT Input Voltage Range		205-385 VDC		
Maximum Operating Input Current		52 A	69 A	77 A
AC Output				
Nominal Output Voltage		208, 240, 480 or 600 VAC, 3-Ph		
AC Voltage Range (Standard)		-12%/+10%		
Continuous Output Power	208/240/480/600 VAC	10 kW	13.2 kW	15 kW
Continuous Output Current	208 VAC	28 A	37 A	42 A
	240 VAC	24 A	32 A	36 A
	480 VAC	12 A	16 A	18 A
	600 VAC	9.6 A	12.7 A	14.4 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)		<5%		
Efficiency				
Peak Efficiency		95.6%	95.8%	95.8%
CEC Efficiency	208 VAC	---	94.0%	94.0%
	480 VAC	---	94.5%	94.5%
Tare Loss	208 VAC		4 W	
	240 VAC		4 W	
	480 VAC		5 W	
	600 VAC		7W	
String Combiner Options				
8 Fused Positions		8 A, 10 A, 12 A or 15 A		
Temperature				
Ambient Temperature Range (full power)		-40°F to +122°F (-40°C to +50°C)		
Storage Temperature Range		-40°F to +158°F (-40°C to +70°C)		
Relative Humidity (non-condensing)		5-95%		
Monitoring Options				
Web-based Monitoring (Inverter Direct)		SolrenView		
Revenue Grade Monitoring		External		
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		
Enclosure				
Transformer		Standard, fully-integrated (internal)		
AC/DC Disconnects		Standard, fully-integrated		
Dimensions (H x W x D)		27.5 in. x 36.5 in. x 13.2 in. (698 mm x 927 mm x 335 mm)		
Dimensions with forward facing disconnects (H x W x D)		27.5 in. x 46 in. x 13.2 in. (698 mm x 1168 mm x 335 mm)		
Weight		357 lbs (162 kg)	357 lbs (162 kg)	357 lbs (162 kg)
Enclosure Rating		NEMA 3R		
Enclosure Finish		Polyester powder coated steel		