

## STRING INVERTERS

PVI 3000S  
PVI 4000S  
PVI 5000S  
PVI 6500  
PVI 7500

**FEATURES**

- 96% CEC efficiency
- Wide input operating voltage window
- 5 Power Ratings
- 208 VAC, 240 VAC or 277 VAC
- Fully-integrated design
- Detachable wiring box
- Standard 10 year warranty
- RS485 communications

**OPTIONS**

- Integrated panel assembly up to 15 kW
- Web-based monitoring



## STRING INVERTERS

At 96% CEC efficiency, the Solectria Renewables string inverter series, ranging from 3.0 kW to 7.5 kW, is the most efficient transformer isolated string inverter on the market. The PVI 3000S-PVI 7500 series of inverters consist of five power ratings to optimally match your grid-tied PV system, and boasts fully-integrated DC and AC disconnects, an LCD, and a 3, 4, or 5 fused string inputs all contained within a detachable wiring box. The wiring box allows for a clean, simple, and safe installation with easy serviceability. The integrated panel assembly comes with 1 to 2 pre-wired inverters mounted on an industrial grade aluminum panel with kWh meter and optional AC visible-blade disconnect or circuit breakers on a two-inverter panel assembly.



Built for the real world

SPECIFICATIONS		PVI 3000S	PVI 4000S	PVI 5000S	PVI 6500	PVI 7500
<b>DC Input</b>						
Absolute Maximum Input Voltage		600 VDC				
MPPT Input Voltage Range		200-550 VDC			230-500 VDC	
Start Up Voltage		210 V			230 V	
Maximum Operating Input Current		16 A	21 A	25 A	35 A	35 A
<b>AC Output</b>						
Nominal Output Voltage		208 or 240 VAC			208, 240 or 277 VAC	
AC Voltage Range (Standard)		-12%/+10%				
Continuous Output Power	208 VAC	2800 W	3500 W	4400 W	6500 W	7500 W
	240 VAC	3000 W	4000W	5000 W	6500 W	7500 W
	277 VAC		--		6500 W	7500 W
Continuous Output Current	208 VAC	13.5 A	16.8 A	21.15 A	31.3 A	36.1 A
	240 VAC	13.5 A	16.8 A	21.15 A	27.1 A	31.3 A
	277 VAC		--		23.5 A	27.1 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%				
<b>Efficiency</b>						
Peak Efficiency	208 VAC	96.4%	96.5%	96.4%	96.0%	96.2%
	240 VAC	96.7%	96.7%	96.7%	96.3%	96.5%
	277 VAC		--		96.7%	96.7%
CEC Efficiency	208 VAC	95.5%	95.5%	96.0%	95.0%	
	240 VAC	96.0%	96.0%	96.0%	96.0%	
	277 VAC		--		96.0%	
Tare Loss		0.5 W				
<b>Integrated String Combiner</b>						
Fused String Inputs		3	4	4	5	5
<b>Temperature</b>						
Ambient Temperature Range (full power)		-13°F to +122°F (-25°C to +50°C)				
Storage Temperature Range		-13°F to +131°F (-25°C to +55°C)			-13°F to +149°F (-25°C to +65°C)	
Relative Humidity (non-condensing)		5-95%				
<b>Data Monitoring</b>						
Optional SolrenView Web-based Monitoring		External				
Optional Revenue Grade Monitoring		External				
External Communication Interface		RS485				
<b>Testing &amp; Certifications</b>						
Safety Listings & Certifications		UL 1741/IEEE 1547, IEEE 1547.1, CSA C22.2#107.1, FCC part 15 B				
Testing Agency		ETL				
<b>Warranty</b>						
Standard		10 year				
<b>Enclosure</b>						
AC/DC Disconnects		Standard, fully-integrated (internal)				
Dimensions (H x W x D)		28.8 in. x 17.9 in. x 6.9 in. (732 mm x 454 mm x 175 mm)		28.8 in. x 17.9 in. x 7 in. (732 mm x 454 mm x 187 mm)		28.8 in. x 17.3 in. x 8.2 in. (732 mm x 438 mm x 208 mm)
Weight		48.8 lbs (22.2 kg)		59.8 lbs (27.2 kg)		88.9 lbs (40.4 kg)
Enclosure Rating		Type 3R				
Enclosure Finish		Painted aluminum				

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