

TRANSFORMERLESS  
STRING INVERTERS**PVI 3800TL**  
**PVI 5200TL**  
**PVI 6600TL**  
**PVI 7600TL****FEATURES**

- 600 VDC
- Highest industry peak and CEC efficiencies
- Lightweight, compact design - smallest in the industry
- Quick and easy installation
- Wide operating voltage range
- DC disconnect
- Passive cooling

**OPTIONS**

- Web-based monitoring
- Revenue grade monitoring
- DC arc-fault detection and interrupt



## TRANSFORMERLESS STRING INVERTERS

Solectria Renewables' PVI 3800TL, 5200TL, 6600TL and 7600TL are compact, transformerless, single-phase inverters with the highest peak and CEC efficiencies in the industry. These inverters come standard with an integrated DC disconnect, optional DC arc-fault detection and interrupt, 1 or 2 MPP tracker(s), and a user-interactive LCD and keypad. Its small and lightweight design make for quick and easy installation and maintenance. The inverters have an innovative passive cooling design. They don't have fans, so no fan noise or fan failures over the lifetime. These inverters include an enhanced DSP control, comprehensive protection functions, and advanced thermal design enabling highest reliability and uptime. They also come with a standard 10 year warranty with options for 15 and 20 years.



Built for the real world

SPECIFICATIONS		PVI 3800TL	PVI 5200TL	PVI 6600TL	PVI 7600TL
<b>DC Input</b>					
Absolute Maximum Open Circuit Voltage		600 VDC			
Operating Voltage Range		120-550 VDC			
MPPT Input Voltage Range		200-500 VDC			
MPP Trackers		1	2		
Maximum Operating Input Current		20 A	15 A per MPP tracker	18 A per MPP tracker	20 A per MPP tracker
<b>AC Output</b>					
Nominal Output Voltage		208 or 240 VAC, 1-Ph			
AC Voltage Range		-12%/+10%			
Continuous Output Power	208 VAC	3300 W	5200 W	6600 W	6600 W
	240 VAC	3800 W	5200 W	6600 W	7600 W
Continuous Output Current	208 VAC	15.8 A	25 A	31.7 A	31.7 A
	240 VAC	15.8 A	21.6 A	27.5 A	31.7 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		98.3%			
CEC Efficiency		97.5%			
Tare Loss		< 1 W			
<b>Temperature</b>					
Ambient Temperature Range (full power)		-13°F to +122°F (-25°C to +50°C)			
Storage Temperature Range		-40°F to +185°F (-40°C to +85°C)			
Relative Humidity (non-condensing)		0-100%			
<b>Data Monitoring</b>					
Optional SolrenView Web-based Monitoring		External			
Optional Revenue Grade Monitoring		External			
External Communication Interface		RS-485			
<b>Testing &amp; Certifications</b>					
Safety Listings & Certifications		UL 1741/IEEE 1547, UL1699B, CSA C22.2#107.1, FCC part 15 A&B			
Testing Agency		ETL	CSA		
<b>Warranty</b>					
Standard		10 year			
Optional		Extended warranties, to 15 & 20 years			
<b>Enclosure</b>					
DC Disconnect		Standard, fully-integrated			
Dimensions (H x W x D)		17.5 x 15.8 x 8.5 in. (445 x 401 x 216 mm)	26.8 x 15.8 x 8.5 in. (680 x 401 x 216 mm)		
Weight		43 lbs (19.5 kg)	65 lbs (29.5 kg)		
Enclosure Rating		Type 4			
Enclosure Finish		Aluminum			