

Grid-Tied PV Inverters

PVI 3000

PVI 4000

PVI 5000

PVI 5300

a breakthrough in efficiency and quality



- top CEC efficiency
- DC & AC disconnect
- built-in string combiner
- quick-mount bracket
- lightweight
- 10 year warranty
- latest UL1741/IEEE1547, CSA 22.2 # 107.1
- universal 240/208VAC
- positive ground option
- transformer isolation
- RS232 & 485 ports
- detachable wiring box

*Ontario
Domestic Content
Compliant*



Solectria introduces the PVI 3000/4000/5000/5300 inverter: exceptional quality and efficiency with more standard features.



INVERTER SPECIFICATIONS

	PVI 3000	PVI 4000	PVI 5000	PVI 5300
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Input

Continuous DC Power @240 VAC @208 VAC	3050W 2840W	4100W 3580W	5150W 4520W	5575W 4840W
Recommended Max. PV Array Power, STC Rating @208 VAC	3600W 3400W	4900W 4300W	6200W 5400W	6700W 5800W
MPPT Voltage Range	200V-550 VDC	200V-550 VDC	200V-550 VDC	200V-550 VDC
Maximum Input Voltage	600 VDC	600 VDC	600 VDC	600 VDC
Strike Voltage	235 VDC	235 VDC	235 VDC	235 VDC
Maximum Input Current	16 A	20 A	25 A	25 A
Maximum Short Circuit Current	24 A	24 A	30 A	30 A
Fused Inputs or unfused bypass (choice of 8,10,12, or 15 A)	3	4	4	4

Output

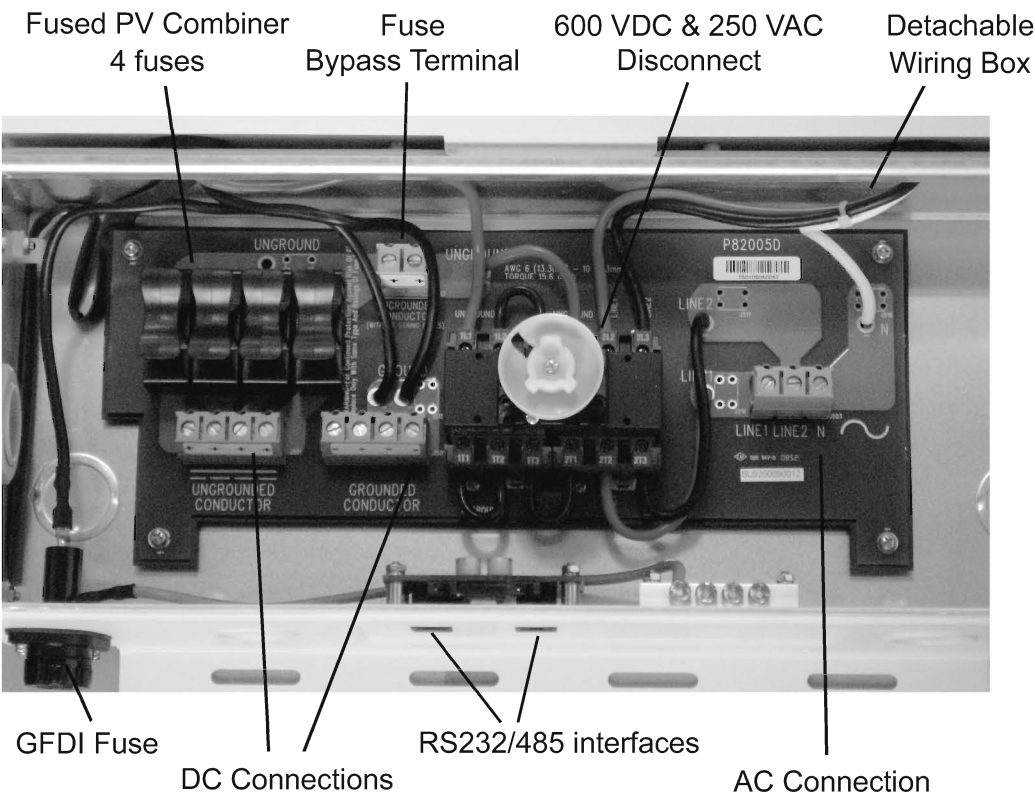
Continuous Power @240 VAC @208 VAC	2900W 2700W	3900W 3400W	4900W 4300W	5300W 4600W
Voltage Range @240 VAC @208 VAC	212-264 VAC 184-228 VAC	212-264 VAC 184-228 VAC	212-264 VAC 184-228 VAC	212-264 VAC 184-228 VAC
Frequency	60Hz Range: 59.3-60.5Hz	60Hz Range: 59.3-60.5Hz	60Hz Range: 59.3-60.5Hz	60Hz Range: 59.3-60.5Hz
Continuous Current	13 A	16.3 A	20.7 A	22.1 A
Output Current Protection Required	20 A	20 or 25 A	25 or 30 A	30 A
Max. Backfeed Current	0 A	0 A	0 A	0 A
Power Factor	Unity, >99%	Unity, >99%	Unity, >99%	Unity, >99%
THD	<3%	<3%	<3%	<3%
Efficiency Peak @240 VAC @208 VAC	96.7 96.4	96.7 96.5	96.7 96.4	96.6 96.3
CEC Efficiency @240 VAC @208 VAC	96.0 95.5	96.0 95.5	96.0 96.0	96.0 95.5

General

Enclosure	Rainproof, NEMA 3R			
Housing Material	Painted aluminum			
Ambient Temperature Range	-25°C to +55°C			
Cooling	Convection		Convection and fan assist	
Weight	47 lb (21.4 kg)	48 lb (21.8 kg)	58.5 lb (26.6 kg)	60 lb (27.4 kg)
Size (L x W x H)	29.75 in x 17.75 in x 6.75 in (741mm x 454mm x 175mm)		29.75 in x 17.75 in x 8.27 in (741mm x 454mm x 210mm)	
Wire Sizes	12 to 6 AWG input and output connections			
Standards	UL1741/IEEE1547, IEEEl547.1, CSA 22.2#107.1, ANSI62.41.2, FCC part 15 B			
Warranty	10 years standard			

INDUSTRY LEADING FEATURES

- Highest efficiency transformer-isolated inverters in the industry, 96% CEC, full line!
- Fully integrated with DC & AC disconnect, 3 or 4 fuse combiner (specify fuse values) and bypass terminal in detachable wiring box.
- Widest DC voltage range, 200-600 VDC.
- Easy installation with low weight (47-60 lb), quick-mount bracket feature, and universal 240/208 VAC auto-detect operation (with neutral).
- High reliability, 10 year warranty and certification to latest UL1741/IEEE1547, CSA 22.2 #107.1.
- Free PC software and both RS232&485 communication ports.
- Solrenview Inverter-Direct, web-based monitoring options (and other third party services), revenue-grade monitoring, agency reporting.
- Optional integrated panel assemblies with kWh meter and/or AC disconnect. 1 or 2 inverters handle 3-10.6 kW.



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