

PVI 1800

PVI 2500

FEATURES

- Lightweight
- Tested in harsh weather conditions
- NEMA 4X
- 208 VAC or 240 VAC
- RS232/RS485 communications
- User interactive LCD display

OPTIONS

- Integrated panel assembly
- Web-based monitoring



STRING INVERTERS

The PVI 1800 and PVI 2500 are the smallest single phase inverters in the industry and tested in the harshest weather conditions. This compact, lightweight inverter is easy to handle and install and comes pre-wired with AC and DC connections. The integrated panel assembly option allows for this inverter series to be mounted on an industrial grade aluminum panel, with disconnects and a revenue grade meter.



SPECIFICATIONS		PVI 1800	PVI 2500
DC Input			
Absolute Maximum Input Voltage		400 VDC	
MPPT Input Voltage Range		125-350 VDC	
Maximum Operating Input Current		11 A	15 A
AC Output			
Nominal Output Voltage		208 or 240 VAC, 1-Ph	
AC Voltage Range (Standard)		-12%/+10%	
Continuous Output Power	208/240 VAC	1.8 kW	2.5 kW
Continuous Output Current	208 VAC	8.7 A	12 A
	240 VAC	7.5 A	10.4 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)		<4%	
Efficiency			
Peak Efficiency	208/240 VAC	94.5%	94.5%
CEC Efficiency	208 VAC	92.5%	92.0%
	240 VAC	92.5%	93.0%
Tare Loss	208 VAC	0.26 W	0.10 W
	240 VAC	0.14 W	0.32 W
Temperature			
Ambient Temperature Range (full power)		-13°F to +131°F (-25°C to +55°C)	
Storage Temperature Range		-13°F to +131°F (-25°C to +55°C)	
Relative Humidity (non-condensing)		5-95%	
Monitoring Options			
Web-based Monitoring (Inverter Direct)		SolrenView	
Revenue Grade Monitoring		External	
Third Party Compatibility		Standard via RS232/RS485	
Testing & Certifications			
Safety Listings & Certifications		UL 1741/IEEE 1547, IEEE 62.41.2 C1 & C3, FCC part 15 A & B	
Testing Agency		TÜV	
Warranty			
Standard		5 year	
Optional		10 year	
Enclosure			
Transformer		Standard, fully-integrated (internal)	
AC/DC Disconnects		Optional with integrated panel	
Dimensions (H x W x D)		18.5 in. x 13.1 in. x 5.6 in. (470 mm x 333 mm x 143 mm)	23.6 in. x 13.1 in. x 5.6 in. (600 mm x 333 mm x 143 mm)
Weight		34.1 lbs (15.5 kg)	36.3 lbs (16.5 kg)
Enclosure Rating		NEMA 4X	
Enclosure Finish		Anodized aluminum	