

STRING INVERTERS

COMMERCIAL INVERTERS

	PVP2000	PVP2500	PVP2800	PVP3000	PVP3500	PVP4600	PVP4800	PVP5000	PVP5200	PVP 35kW	PVP 50kW	PVP 75kW	PVP 100kW	Solaron® 250	PVP 250kW	PVP 260kW/LV	Solaron® 333	Solaron® 500/E/C
																		

Continuous Output Power	2.0kW	2.5kW	2.8kW	3.0kW	3.5kW	4.6kW	4.8kW	5.0kW	5.2kW	35kW	50kW	75kW	100kW	250kW	249.5kW	260kW	333kW	500kW
Weighted CEC Efficiency	92%	94.5%	92%	93.5%	95.5%	95.5%	96%	NA	96%	95.5% (208 V) 96% (480 V) 95.5 (600V) pending	96% (208 V) 96% (480 V) 96% (600V) pending	95.5 (600V) pending	95.5 (600V) pending	97.5%	96.5% (480) 97% (600)	97% (low-voltage option)	97.5%	97.5% CEC 98.1% European
Peak Efficiency	93.5%	95.8%	93.1%	94.3%	96.7%	96.5%	97.2%	97.2%	97%	96.2% (208 V) 96.6% (480 V) 96.4 (600V) pending	96.7% (208 V) 97.2% (480 V) 96.9 (600V) pending	96.1% (208 V) 96.6% (480 V) 96.3 (600V) pending	96.5 (600V) pending	98.1%	97.7%	97.7%	98.3%	98.6%
DC Max Input Voltage (VOC)	500 VDC	500 VDC	500 VDC	500 VDC	500 VDC	500 VDC	500 VDC	500 VDC	500 VDC	96.6% (480V)	600 VDC	600 VDC	600 VDC	± 600 VDC	595 VDC	600 VDC	± 600 VDC	± 600 VDC
DC Voltage Operating Range	115 to 450 VDC	140 to 450 VDC	180 to 450 VDC	170 to 450 VDC	200 to 450 VDC	205 to 450 VDC	200 to 450 VDC	200 to 450 VDC	240 to 450 VDC	295 to 595 VDC	295 to 595 VDC	295 to 595 VDC	295 to 595 VDC	± 330 to ± 600 VDC	295 to 595 VDC	295 to 595 VDC (low-voltage option)	± 330 to ± 600 VDC	± 330 to ± 600 VDC
DC Max Input Current	18.5 A	19 A	16.5 A	19 A	18.5 A	22.5 A	22.5 A	26.5 A	23 A	125 A	178 A	267 A	356 A	375 A	890 A 973 A (low-voltage option)	925 A 1030A (low-voltage option)	500 A	750 A
AC Nominal Voltage	240 VAC	240 VAC	208 VAC	240 VAC	240 VAC	208 VAC	240 VAC	240 VAC	240 VAC	208 VAC 480 VAC 600VAC	208 VAC 480 VAC 600VAC	208 VAC 480 VAC 600VAC	208 VAC 480 VAC 600VAC	480 VAC	480 VAC 600 VAC	480 VAC	480 VAC	480 VAC
Phase Supply	1 Φ	1 Φ	1 Φ for 3 Φ Systems	1 Φ	1 Φ	1 Φ for 3 Φ Systems	1 Φ	1 Φ	1 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ
Grid Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz (500) 50 Hz (500E) 50 Hz (500C)
AC Max Output Current	8.5 A	10.5 A	13.5 A	12.5 A	15 A	22.5 A	20.5 A	21.0 A	22 A	100 A (208 V) 43 A (480 V)	141 A (208 V) 61 A (480 V)	208 A (208 V) 90 A (480 V)	278 A (208 V) 120 A (480 V)	334 A, adjustable	304 A (480) 243 A (600)	316 A	445 A, adjustable	667 A, adjustable
Inverter Direct Data Monitoring	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Included	Included	Included	Included	Included	Included	Included	Included	Included
Outdoor-Rated Enclosure	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 4	NEMA 4	NEMA 4	NEMA 4	NEMA 3R with NEMA 4 (electronics)	NEMA 4	NEMA 4	NEMA 3R with NEMA 4 (electronics)	NEMA 3R with NEMA 4 (electronics)/IP-45 with IP-55 (electronics)
Dimensions with Integrated Disconnect (H x W x D)	30.4" x 15.6" x 8.2" (77 cm x 40 cm x 21 cm)	30.4" x 15.6" x 8.2" (77 cm x 40 cm x 21 cm)	30.4" x 15.6" x 8.2" (77 cm x 40 cm x 21 cm)	30.4" x 15.6" x 8.2" (77 cm x 40 cm x 21 cm)	30.4" x 15.6" x 8.2" (77 cm x 40 cm x 21 cm)	30.4" x 15.6" x 8.2" (77 cm x 40 cm x 21 cm)	30.4" x 15.6" x 8.2" (77 cm x 40 cm x 21 cm)	35.0" x 18.1 x 8.7" (89 cm x 46 cm x 22 cm)	30.4" x 15.6" x 8.2" (77 cm x 40 cm x 21 cm)	73.6" x 48.8" x 34.5" (187 cm x 124 cm x 88 cm)	73.6" x 48.8" x 34.5" (187 cm x 124 cm x 88 cm)	91.6" x 65.6" x 35.0" (233 cm x 167 cm x 89 cm)	91.6" x 65.6" x 35.0" (233 cm x 167 cm x 89 cm)	81.2" x 74.0" x 41.4" (206 cm x 188 cm x 88 cm)	93.0" x 104.0" x 41.4" (236 cm x 264 cm x 105 cm)	93.0" x 104.0" x 41.4" (236 cm x 264 cm x 105 cm)	81.2" x 74.0" x 34.7" (206 cm x 188 cm x 88 cm)	83.1" x 85.4" x 39.9" (211 cm x 217 cm x 101 cm)
Standard Warranty	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	10 Yr	5 Yr	10 Yr	10 Yr	5 Yr	5 Yr
20 Year Extended Warranty	—	—	—	—	—	—	—	—	—	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Annual Preventive Maintenance	—	—	—	—	—	—	—	—	—	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Sub-Combiner Fusing	—	—	—	—	—	—	—	—	—	Optional	Optional	Optional	Optional	—	Optional	Optional	—	Optional
Installation Mounting Type	Wall bracket included	Wall bracket included	Wall bracket included	Wall bracket included	Wall bracket included	Wall bracket included	Wall bracket included	Wall bracket included	Wall bracket included	Pad mounted	Pad mounted	Pad mounted	Pad mounted	Pad mounted	Pad mounted	Pad mounted	Pad mounted	Pad mounted
Weight	92.5 lb (42 kg)	106.5 lb (48 kg)	106.5 lb (48 kg)	106.5 lb (48 kg)	120.5 lb (55 kg)	162 lb (73 kg)	162 lb (73 kg)	162 lb (73 kg)	162 lb (73 kg)	1200 lb (544 kg)	1500 lb (680 kg)	2750 lb (1247 kg)	3000 lb (1361 kg)	2045 lb (927.5 kg)	5000 lb (2268kg)	5000 lb (2268 kg)	2045 lb (927.5 kg)	3760 lb (1705.5 kg)
Cooling System	Natural convection	Natural convection	Natural convection	Natural convection	Natural convection	Natural convection	Natural convection	Natural convection	Natural convection	Forced convection	Forced convection	Forced convection	Forced convection	Combo air and liquid (self-contained system)	Forced convection	Forced convection	Combo air and liquid (self-contained system)	Combo air and liquid (self-contained system)
Storage Temperature (C)	-25° to 40°	-25° to 40°	-25° to 40°	-25° to 40°	-25° to 40°	-25° to 40°	-25° to 40°	-25° to 40°	-25° to 40°	-40° to 60°	-40° to 60°	-30° to 70°	-30° to 70°	-30° to 70°	-40° to 60°	-40° to 60°	-30° to 70°	-30° to 70°
Operating Temperature Range	-13°F to 104°F (-25°C to 40°C)	-13°F to 104°F (-25°C to 40°C)	-13°F to 104°F (-25°C to 40°C)	-13°F to 104°F (-25°C to 40°C)	-13°F to 104°F (-25°C to 40°C)	-13°F to 104°F (-25°C to 40°C)	-13°F to 104°F (-25°C to 40°C)	-13°F to 104°F (-25°C to 40°C)	-13°F to 104°F (-25°C to 40°C)	-22°F to 122°F (-30°C to 50°C)	-22°F to 122°F (-30°C to 50°C)	-22°F to 122°F (-30°C to 50°C)	-22°F to 122°F (-30°C to 50°C)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)	-22°F to 122°F (-30°C to 50°C)	-22°F to 122°F (-30°C to 50°C)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)
Compliance	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547	UL 1741/IEEE 1547
CE Mark (500E)	A&B	A&B	A&B	A&B	A&B	A&B	A&B	A&B	A&B	A	A	A	A	Exempt	A	A	Exempt	Exempt

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PV Powered and Solaron products built in the U.S. are fully compliant with the Buy American Act and qualify for projects funded by the federal stimulus package.
PV Powered and Solaron products built in Ontario meet the requirement for local content by the Ontario government's feed-in-tariff (FIT) program under the Green Energy Act.

UTILITY INVERTERS



	Solaron® 250	PVP 260kW/LV	Solaron® 333	Solaron 500 HE/500E HE	Solaron® 500/E/C	Solaron® 500kW/1kV	PowerStation™ 1MW Using Solaron® 500	PowerVault™ 1040 Using PVP 260kW	PowerStation™ 2MW Using Solaron® 500
Continuous Output Power	250kW	260kW	333kW	500kW	500kW	500kW	1 MW	1040kW	2 MW
Weighted CEC Efficiency	97.5%	97% 96.5% (low-voltage option)	97.5%	98.0 (CEC) 98.4 (European)	97.5% CEC 98.1% European	97.5%	97.5%, excluding MV transformer	97%, excluding MV transformer	97.5%, excluding MV transformer
Peak Efficiency	98.1%	97.7%	98.3%	98.7	98.6%	98% (Preliminary - Includes all standby, controls, and housekeeping losses)	98.6%	97.7%	98.6%
DC Max Input Voltage (VOC)	± 600 VDC	600 VDC	± 600 VDC	± 600 VDC	± 600 VDC	1000 VDC 1100 VDC (optional)	± 600 VDC	600 VDC	± 600 VDC
DC Voltage Operating Range	± 330 to ± 600 VDC	295 to 595 VDC 265 to 595 VDC (low-voltage option)	± 330 to ± 600 VDC	± 330 to ± 600 VDC	± 330 to ± 600 VDC	600 to 1000 VDC (± 300 to ± 500 VDC)	±330 to ± 600 VDC	295 to 595 VDC 265 to 595 VDC (low-voltage option)	± 330 to ± 600 VDC
DC Max Input Current	375 A	925 A 1030 A (low voltage option)	500 A	750 A	750 A	850 A	1500 A	3700 A	3000 A
AC Nominal Voltage	480 VAC	480 VAC	480 VAC	480 VAC	480 VAC	±420VAC ± 10%	12.47 to 38 kV	480 VAC	12.47 to 38 kV
Phase Supply	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ	3 Φ
Grid Frequency	60 Hz	60 Hz	60 Hz	60 Hz (500) 50 Hz (500E) 50 Hz (500C)	60 Hz (500) 50 Hz (500E) 50 Hz (500C)	60 Hz	60 Hz	60 Hz	60 Hz
AC Max Output Current	334 A, adjustable	316 A	445 A, adjustable	667 A, adjustable	667 A, adjustable	685 A, adjustable	51 A @ 12.47 kV, adjustable	47 A @ 12.47 kV	102 A @ 12.47 kV, adjustable
Inverter Direct Data Monitoring	Included	Included	Included	Included	Included	Included	Included	Included	Included
Outdoor-Rated Enclosure	NEMA 3R with NEMA 4 (electronics)	NEMA 4	NEMA 3R with NEMA 4 (electronics)	NEMA 3R with NEMA 4 (electronics)/IP-45 with IP-55 (electronics)	NEMA 3R with NEMA 4 (electronics)/IP-45 with IP-55 (electronics)	NEMA 3R with NEMA 4 (electronics)	NEMA 3R with NEMA 4 (electronics)	NEMA 3R	NEMA 3R with NEMA 4 (electronics)
Dimensions with Integrated Disconnect (H x W x D)	81.2" x 74.0" x 34.7" (206 cm x 188 cm x 88 cm)	93.0" x 104.0" x 41.4" (236 cm x 264 cm x 105 cm)	81.2" x 74.0" x 34.7" (206 cm x 188 cm x 88 cm)	83.1" x 85.4" x 39.9" (211 cm x 217 cm x 101 cm)	83.4" (H) x 128.1" (W) x 41.2" (D) 212 cm (H) x 325 cm (W) x 105 cm (D)	83.1" x 89.5" x 39.9" (211 cm x 227 cm x 101 cm)	Open Station: 290" x 137" x 106" 737cm x 348cm x 269cm	119" x 435" x 136" (302 cm x 1105 cm x 345 cm)	Open Station: 464" x 137" x 106" 1179cm x 348cm x 269cm
				5 Yr	5 Yr		Enclosure: 355" x 132" x 120" 902cm x 335cm x 305cm		Enclosure: 528" x 132" x 120" 1341cm x 335cm x 305cm
Standard Warranty	5 Yr	10 Yr	5 Yr	Optional	Optional	5 Yr	5 Yr	10 Yr	5 Yr
20 Year Extended Warranty	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Annual Preventive Maintenance	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Sub-Combiner Fusing	—	Optional	—	Pad mounted	Pad mounted	Optional	Optional	Optional	Optional
Installation Mounting Type	Pad mounted	Pad mounted	Pad mounted	Pad mounted	3760 lb (1705.5 kg)	Pad mounted	Pad mounted or pier mounted	Pier mounted	Pad mounted or pier mounted
Weight	2045 lb (927.5 kg)	5000 lb (2268kg)	2045 lb (927.5 kg)	3760 lb (1705.5 kg)	Combo air and liquid (self-contained system)	3600 lb (1633 kg)	Open station: 30,100lb (13,653 kg)	48,000 lb (21,772 kg)	Open station: 47,500lb (21,546kg)
							Enclosure: 31,000lb (14,061kg)		Enclosure: 57,000lb (25,855kg)
Cooling System	Combo air and liquid (self-contained system)	Forced convection	Combo air and liquid (self-contained system)	Combo air and liquid (self-contained system)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)	Combo air and liquid (self-contained system)	Combo air and liquid (self-contained system)	Forced convection	Combo air and liquid (self-contained system)
Storage Temperature	-30° to 70°	-40° to 60°	-30° to 70°	-30° to 70°	-30° to 70°	-30° to 70°	-30 to 70	-40° to 60°	-30° to 70°
Operating Temperature Range	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)	-22°F to 122°F (-30°C to 50°C)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)	UL 1741/IEEE 1547 CE Mark (500E)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)	-22°F to 122°F (-30°C to 50°C)	-4°F to 122°F (-20°C to 50°C) Cold weather option to -31°F (-35°C)
Compliance	UL 1741 / IEEI 1547	UL 1741/IEEE 1547	UL 1741 / IEEI 1547	UL 1741/IEEE 1547 CE Mark (500E)	Exempt	UL 1741 / IEEI 1547 Utility controls can supersede	UL 1741 / IEEI 1547 Utility controls can supersede	UL 1741 / IEEI 1547	UL 1741 / IEEI 1547 Utility controls can supersede

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