SUNPOWER

SPR-6500f & SPR-8000f INVERTERS

EXCEPTIONAL RELIABILITY AND PERFORMANCE

BENEFITS

Reliable and Robust Design
Proven record of durability and longevity

Wide Input Voltage Range
Delivers maximum efficiency throughout a wide input voltage range. Automatic transformer switching enables two equal efficiency peaks so that maximum output is consistently achieved—even on partially sunny days.

Modular and Flexible Connections
Modular cabling and power units enhance safety during wiring and installation, and a removable power area simplifies servicing

Integrated DC Disconnect
Built-in DC disconnect provides a locking mechanism for enhanced safety

Ideal Commercial Application
Flexible and sizeable AC voltage output provides an ideal solution for commercial applications up to 100 kW

High-Efficiency Operation
Weighted CEC Efficiency of up to 96% and peak efficiency up to 96.2%. High efficiency throughout entire MPPT range.





SPR-6500f and SPR-8000f Inverters provide proven reliability and superior performance. Robust and precision-engineered metal housing provides UV resistance and corrosion protection and is ideal for both indoor and outdoor applications. Both models come with a 10-year warranty.

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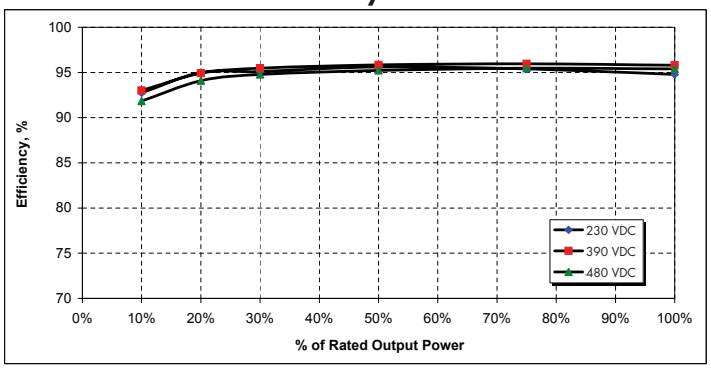
Electrical Data

	SPR-6500f	SPR-8000f
AC Power	6500 W	8000 W (7600 W @ 208 V)
AC Maximum Output Current (@208V, 240V, 277V)	31.3A, 27.1A, 23.5A	36.5A, 33.3A, 28.9A
Operating AC Voltage Range	183 - 229 V @ 208 VAC 211 - 264 V @ 240 VAC 244 - 305 V @ 277 VAC	183 - 229 V @ 208 VAC 211 - 264 V @ 240 VAC 244 - 305 V @ 277 VAC
AC Frequency / Range	60 Hz / 59.3 Hz - 60.5 Hz	60 Hz / 59.3 Hz - 60.5 Hz
Power Factor	1	1
Peak Inverter Efficiency	96.2 %	96.2 %
CEC Weighted Efficiency	95.0 % @ 208V 95.5 % @ 240V 96.0 % @ 277V	95.0 % @ 208V 95.5 % @ 240V 96.0 % @ 277V
Recommended Max. Array Input Power (DC @ STC)	7500 W	9200 W
MPPT Voltage Range	230–500 V	230–500 V
Max. DC Input Voltage	600 V	600 V
Max. DC Input Current	30.4 A	37.4 A
DC Voltage Ripple	< 3%	< 3%
Number of String Inputs (fusable)	6	6
DC Disconnect	Integrated lockable DC-Disconnect Switch	
Grounding	Positively grounded	
Power Consumption Standby / Nighttime	15W / <1 W	

CEC efficiency at 95.5%

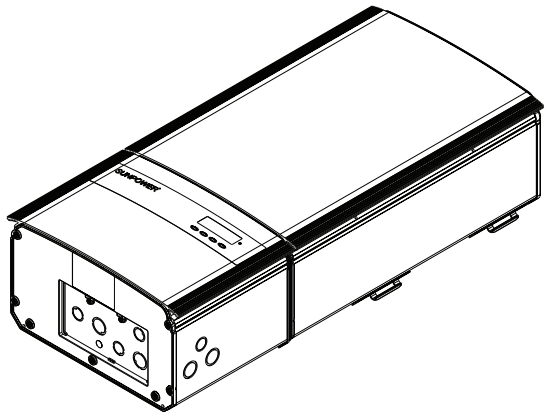


Mechanical Data

Shipping Dimensions (W × H × D)	20" × 43" × 14" (515 × 1085 × 356 mm)
Unit Dimensions (W × H × D)	17.1" x 36.5" x 9.6" (434 x 926 x 244 mm)
Inverter Weight (with Wiring Box)	83 lbs (38 kg)
Shipping Weight	90 lbs (41 kg)
Cooling	Controlled forced ventilation
Enclosure	NEMA 3R
Mounting	Vertical wall mounting
Ambient Temperature Range	-20 to +50 C° non condensing

Warranty and Standards Conformity

Warranty	10-year limited warranty
Conformity to Standards	UL 1741-2005, IEEE 1547-2003, IEEE 1547.1, ANSI/IEEE C62.41, FCC Part 15 A & B, NEC Article 690, C22.2 No.107.1-01 (September 2001)



About SunPower

SunPower designs, manufactures and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cells generate up to 50 percent more power than conventional solar cells. Our high-performance solar panels, roof tiles, and trackers deliver significantly more energy than competing systems.

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