

BENEFITS

Reliable and Robust Design

Proven record for durability and longevity

Modular and Flexible Connections

Modular nature of cabling and power areas enhance safety during wiring and installation. Removable power area simplifies servicing

Integrated DC Disconnect

Built-in DC Disconnect includes a locking mechanism for enhanced safety

High Efficiency Operation

Weighted European Efficiency of up to 95.0% and peak efficiency of up to 95.7%. High efficiency throughout entire MPP range



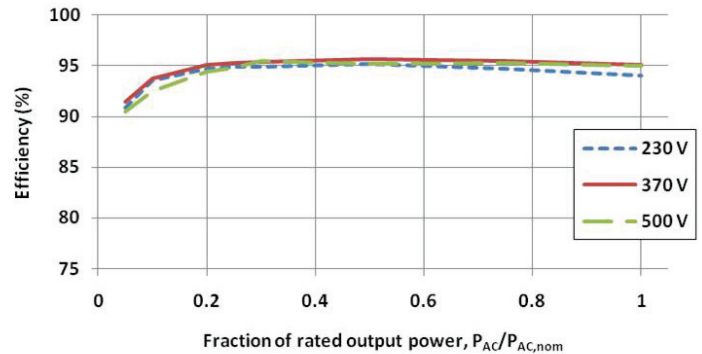
The SunPower SPR-3501F-1-AU and SPR-4001F-1-AU inverters offer proven reliability and superior performance. Their robust and precision-designed metal housing offers UV-resistance and corrosion protection and is suited for both indoor and outdoor (IP54) applications. Both models come with a standard 5-year warranty.



Electrical Data

		SPR-3501F-1-AU	SPR-4001F-1-AU
Nominal AC Power	$P_{AC,nom}$	3500 W	4000 W
Max. AC output current (at 230 VAC)	$I_{AC,max}$	15.2 A	17.4 A
Nominal AC voltage	V_{AC}	230 V	
AC voltage range	V_{AC}	180 V - 270 V	
Nominal AC frequency	$f_{AC,nom}$	50 Hz	
Power factor	$\cos \varphi$	0.85 - 1 ind./cap.	
Peak inverter efficiency	η_{max}	95.7%	
European efficiency	η_{euro}	95.0%	
Max. DC input power	$P_{DC,max}$	3710 W	4260 W
MPP voltage range	$P_{DC,MPP}$	230 V - 500 V	
Max. DC input voltage	$V_{DC,max}$	600 V	
Max. DC input current	$I_{DC,max}$	16.1 A	18.5 A
DC harmonic distortion		<3%	
Number of string inputs		6	
Number of phases on AC side		1	
DC disconnect		Integrated DC disconnect switch	
Earthing		Pre-configured for positive DC earthing and use with SunPower PV modules	
		Reconfigurable in the field for negative DC earthing or floating DC configurations and use with Serengeti PV modules	
Ground fault detection		Included	
Nighttime power consumption		<1 W	

EURO-ETA EFFICIENCY AT 95.0%



Mechanical Data

	SPR-3501F-1-AU	SPR-4001F-1-AU
Shipping Dimensions H x W x D	79.0 x 51.0 x 34.0 cm	
Unit Dimensions H x W x D	67.3 x 43.4 x 25.0 cm	
Inverter Weight	23.8 kg	
Shipping weight	27.0 kg	
Cooling	Regulated air cooling	
Enclosure, IP Rating	IP54	
Mounting	Vertical wall mounting	
Ambient temperature range	20°C to +55°C	

Warranty and Conformity to Standards

	SPR-3501F-1-AU	SPR-4001F-1-AU
Warranty	5 year limited warranty	
Conformity to standards	Directive 2004/108/EC EN 50178:1997 EN 61000-3-2:2006 EN 61000-3-11:2000 EN 61000-3-12:2005 EN 61000-6-2:2005 EN 61000-6-3:2007 EN 50366:2003 AS4777 AS3100 Country specific models comply with required local standards of the country in which the inverter is sold	

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.