SUNPOWER

SPR-3000p-TL-1, SPR-3600p-TL-1, SPR-4200p-TL-1, SPR-5000p-TL-1 & SPR-6000p-TL-1

BENEFITS

The World's Standard for Solar
High performance and high reliability inverters for use with SunPower photovoltaic panels - the most efficient and reliable panels on earth.

High Efficiency
Transformerless inverter technology enables maximum inverter efficiency of up to 97.1% and CEC efficiency of up to 96.5%.

Design Flexibility and Yield Maximization
Two maximum power point trackers expand deployment options and maximize energy harvest when irradiance varies across the array.

Guaranteed Performance
Reliable and robust design has a proven record for durability and longevity.



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SPR-5000p-TL-1
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The SunPower SPR-3000p-TL-1, SPR-3600p-TL-1, SPR-4200p-TL-1, SPR-5000p-TL-1 & SPR-6000p-TL-1 offer proven reliability and superior performance. Their robust and precision designed electronics housing offers UV-resistance and corrosion protection and is suited for both indoor and outdoor (NEMA 4X) applications. All models come with a standard 10 year warranty.

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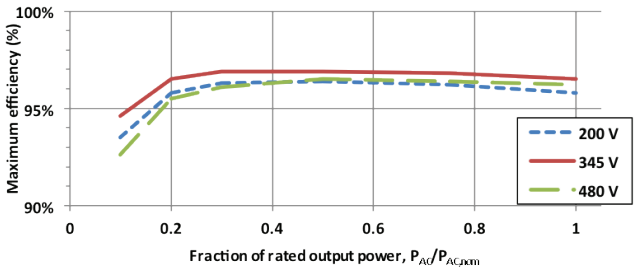
Electrical Data		SPR-3000p-TL-1	SPR-3600p-TL-1	SPR-4200p-TL-1	SPR-5000p-TL-1	SPR-6000p-TL-1
Input Variables (DC)						
Max. usable power per MPPT		2000 W	3000 W	3000 W	4000 W	4000 W
Number of MPPTs				2		
MPPT range		160 V ... 530 V	120 V ... 530 V	140 V ... 530 V	200 V ... 530 V	200 V ... 530 V
Start-up voltage				200 V (adjustable 120 V ... 350 V)		
Open circuit voltage				600 V		
Max. input current for both MPPTs in parallel		20.0 A	32.0 A	32.0 A	36.0 A	36.0 A
Max. usable current per MPPT		10.0 A	16.0 A	16.0 A	18.0 A	18.0 A
Number of string inputs per MPPT		1	1	1	2	2
Output Variables (AC)						
Nominal power		3000 W	3600 W	4200 W	5000 W	6000 W
Max. AC output current at:	208 V	14.5 A	17.2 A	20.0 A	27.0 A	30.0 A
	240 V	14.5 A	16.0 A	20.0 A	23.0 A	28.0 A
	277 V	12.0 A	16.0 A	20.0 A	20.0 A	24.0 A
Rated frequency				60 Hz		
cos phi				> 0.995		
Number of grid phases				1		
General Electrical Data						
Max. efficiency		96.9%	97.0%	97.0%	97.1%	97.1%
CEC efficiency at:	208 V	96.0%	96.0%	96.0%	96.0%	96.0%
	240 V	96.0%	96.0%	96.0%	96.5%	96.5%
	277 V	96.0%	96.0%	96.0%	96.5%	96.5%
Stand-by consumption				< 8 W		
Switching plan				transformerless		

Mechanical Data	SPR-3000p-TL-1 SPR-3600p-TL-1 SPR-4200p-TL-1	SPR-5000p-TL-1 SPR-6000p-TL-1
Display	16 characters x 2 lines LCD display	
Ambient temperature	-25 °C ... +60 °C * (-13 °F ... +140 °F)	
PV array isolation control	GFDI	
Connections	DC & AC: screw terminal block	
Cooling	convective cooling, no fan	
Protection class	NEMA 4X	
Noise emission	< 50 dB at 1 meter	
DC-switch	integrated	
H x W x D	859mm x 325mm x 222mm (33.8" x 12.8" x 8.7")	1052mm x 325mm x 222mm (41.4" x 12.8" x 8.7")
Weight	21.3 kg (47.3 lbs)	27.0 kg (59.5 lbs)

*Power derating above 55 °C (131°F) for SPR-3000p-TL-1, SPR-3600p-TL-1 and SPR-4200p-TL-1 and above 50 °C (122 °F) for SPR-5000p-TL-1 and SPR-6000p-TL-1

Features	SPR-3000p-TL-1 SPR-3600p-TL-1 SPR-4200p-TL-1	SPR-5000p-TL-1 SPR-6000p-TL-1
Warranty	10 years	
Conformity to standards	UL 1741, CSA-C22.2 N. 107.1-01, IEEE 1547, $_{c}$CSA$_{US}$ Additional certifications are available upon request	
Interface	RS485	

SPR-6000p-TL-1: 96.5% CEC efficiency at 240 VAC



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 and trackers deliver significantly more energy than competing systems.

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