

HIGHEST EFFICIENCY & HIGHEST RELIABILITY

SunPower AC Panels are the most efficient and most reliable AC solar panels on the market today, offering up to 50% more energy density than conventional designs and a 25-year warranty.

COMPLEX OR SHADED RESIDENTIAL ROOFTOPS

Panel level Maximum Power Point Tracking (MPPT) provides greater energy harvest and deployment flexibility, making solar a reality for every home.

PANEL LEVEL ENERGY MONITORING

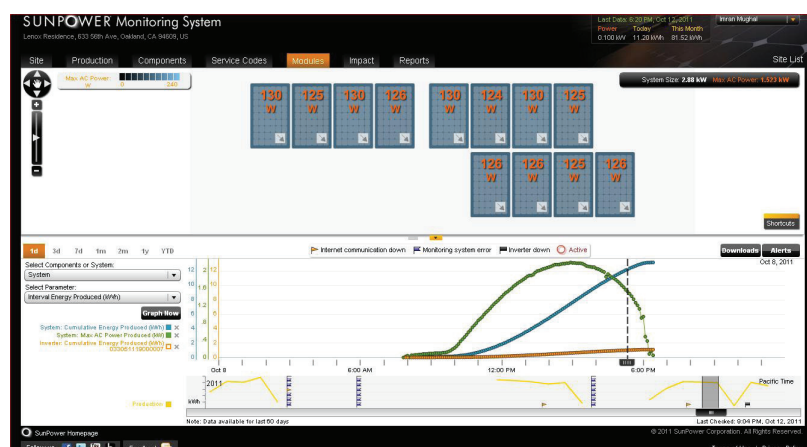
The SunPower Monitoring System displays panel level energy production, offering useful operational insight to interested homeowners.

SIMPLE & FAST

Panel level DC to AC conversion eliminates DC design and installation headaches for system integrators and reduces installation time by 20% or more.



The SunPower® AC Panel Series provides a revolutionary combination of high efficiency, high reliability, and panel-level DC to AC power conversion, enabling deployment of the planet's most powerful solar™ on any residential home imaginable. Finally, home owners with complex or shaded roofs have an economically viable solar option. Panel level MPPT extracts the maximum power from each module in the array and provides energy production insight previously unavailable. All this comes with an industry leading 25-year complete AC panel warranty.



SunPower® Monitoring System enables panel level monitoring

MODEL: SPR-240E-WHT-U ACPV

DC ELECTRICAL DATA

Measured at Standard Test Conditions (STC): irradiance of 1000W/m², AM 1.5, and cell temperature 25° C

Peak Power (+5/-3%)	P _{max}	240 W
Efficiency	η	19.3%
Rated Voltage	V _{mpp}	40.5 V
Rated Current	I _{mpp}	5.93 A
Open Circuit Voltage	V _{oc}	48.6 V
Short Circuit Current	I _{sc}	6.30 A
Temperature Coefficients Power	(P)	-0.38 %/K
Voltage	(V _{oc})	-132.5mV/K
Current	(I _{sc})	3.5mA/K
NOCT		45° C +/-2°C
Shade Tolerance	3 bypass diodes Integrated panel level MPPT	

MECHANICAL DATA

Solar Cells	72 SunPower® all-back contact monocrystalline
Front Glass	High-transmission tempered glass with anti-reflective (AR) coating
Environment Rating	IP-65
Frame	Anodized aluminum alloy type 6063 (black)
Weight	37.6 lbs (17.1 kg)
AC Output Cable Length	34 in (863.6 mm)

AC ELECTRICAL DATA

AC Output (Min/Nom/Max)	211 V	240 V	264 V
Oper Freq Hz (Min/Nom/Max)	59.3	60.0	60.5
Output Power Factor	0.99 Min		
AC Max Cont Output Current	0.94 A		
AC Max Cont Output Power	225 W		
DC/AC CEC Conversion Efficiency	94.5%		
Max Units Per Branch Circuit	17		
Max Overcurrent Protection	20 A		

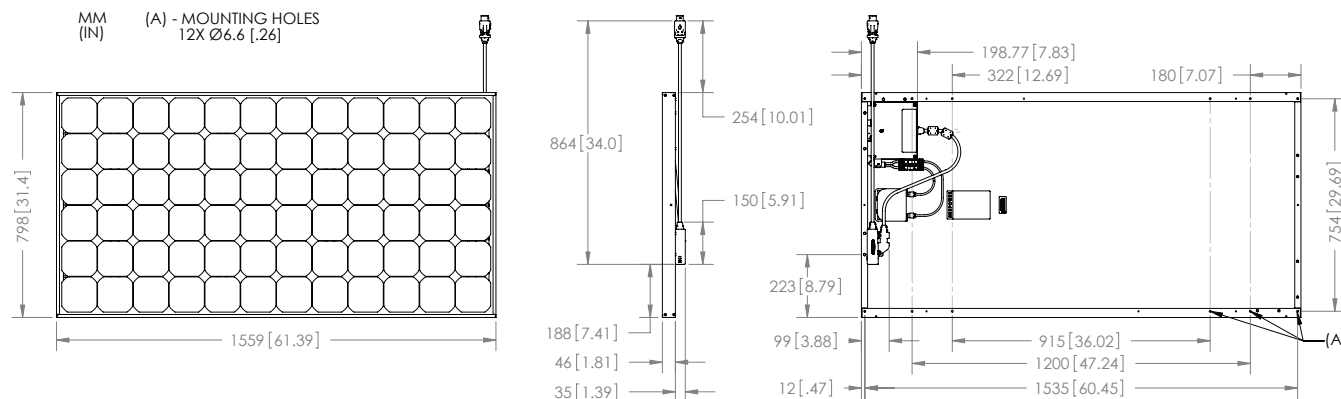
TESTED OPERATING CONDITION

Temperature	- 40° C to +85° C
Max load	550 kg/m ² (5400 Pa), front (e.g. snow) w/specified mounting configurations 245 kg/m ² (2400 Pa) front and back (e.g. wind)
Impact Resistance	Hail: 25 mm at 23 m/s

WARRANTIES AND CERTIFICATIONS

Warranties	25-year limited power warranty 25-year limited product warranty
Certifications	ACPV module listed to UL 1741

DIMENSIONS



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
Go to www.sunpowercorp.com for details