

18% EFFICIENCY

SunPower's signature black™ panels provide the highest efficiency for their product class and a sleek, black appearance

TRANSFORMERLESS INVERTER COMPATIBILITY

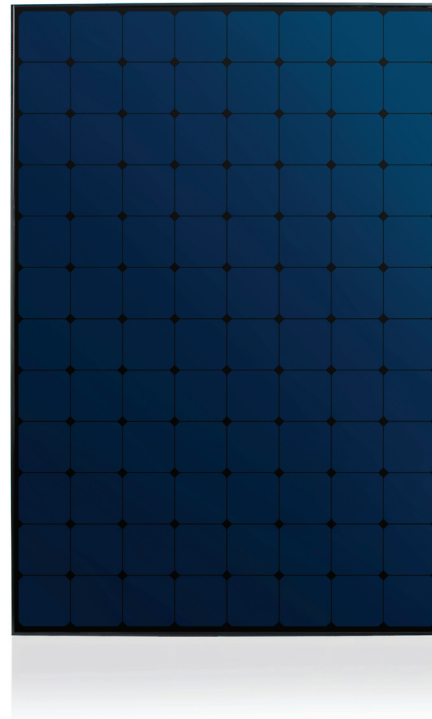
Comprehensive inverter compatibility ensures that customers can pair the highest efficiency panels with the highest efficiency inverters, maximizing system output

REDUCED INSTALLATION COST

More power per panel means fewer panels per install. This saves both time and money.

RELIABLE AND ROBUST DESIGN

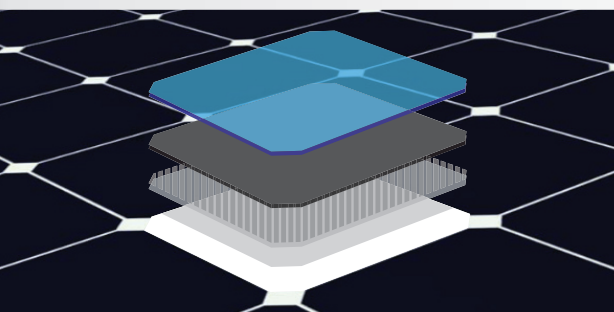
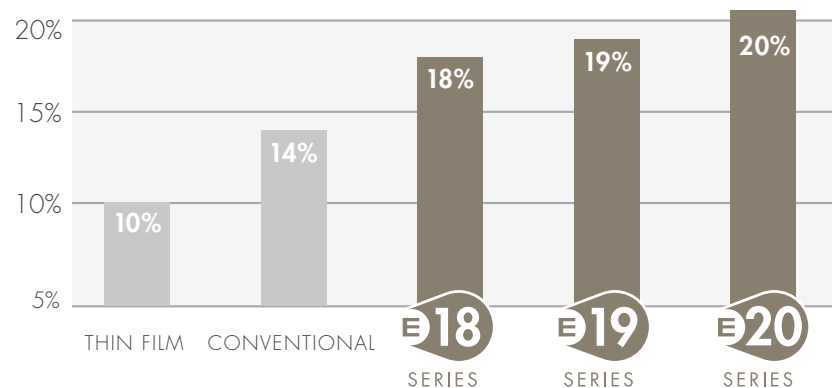
SunPower's unique Maxeon™ cell technology and advanced module design ensure industry-leading reliability



THE WORLD'S STANDARD FOR SOLAR™

SunPower™ E18 Solar Panels provide today's high efficiency and performance. Powered by SunPower Maxeon™ cell technology, the E18 series provides panel conversion efficiencies of up to 18.7%. The E18's low voltage temperature coefficient and exceptional low-light performance attributes provide outstanding energy delivery per peak power watt.

SUNPOWER'S HIGH EFFICIENCY ADVANTAGE



MAXEON™ CELL TECHNOLOGY

Patented all-back-contact solar cell, providing the industry's highest efficiency and reliability.

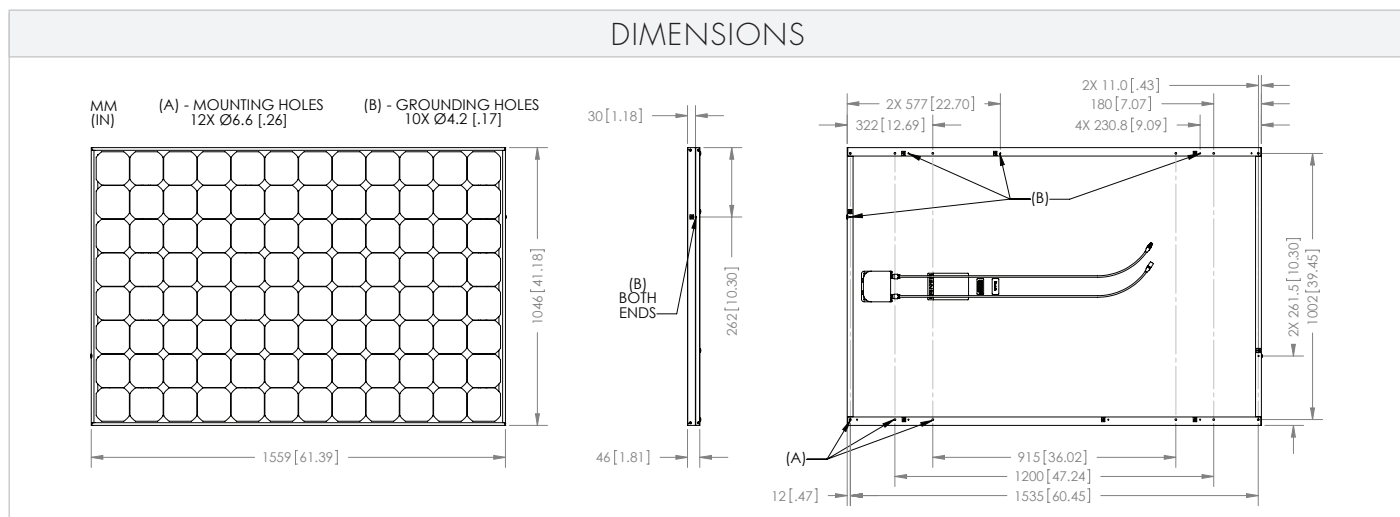


MODEL: SPR-305NE-BLK-D

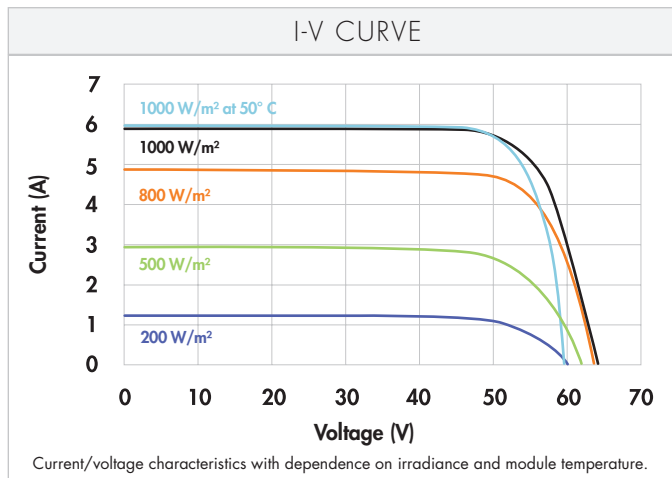
ELECTRICAL DATA		
Measured at Standard Test Conditions (STC): Irradiance 1000W/m ² , AM 1.5, and cell temperature 25° C		
Nominal Power (+5/-3%)	P _{nom}	305 W
Cell Efficiency	η	22.6 %
Panel Efficiency	η	18.7 %
Rated Voltage	V _{mpp}	54.7 V
Rated Current	I _{mpp}	5.58 A
Open-Circuit Voltage	V _{oc}	64.2 V
Short-Circuit Current	I _{sc}	5.96 A
Maximum System Voltage	IEC	1000 V
Temperature Coefficients	Power (P)	- 0.38 %/K
	Voltage (V _{oc})	- 176.6 mV/K
	Current (I _{sc})	3.5 mA /K
NOCT	46° C +/- 2° C	
Series Fuse Rating	20 A	
Limiting Reverse Current (3 strings)	I _r	14.9 A
Grounding	Positive grounding not required	

ELECTRICAL DATA		
Measured at Nominal Operating Cell Temperature (NOCT): Irradiance 800W/m ² , 20° C, wind 1 m/s		
Nominal Power	P _{nom}	226 W
Rated Voltage	V _{mpp}	50.2 V
Rated Current	I _{mpp}	4.49 A
Open-Circuit Voltage	V _{oc}	60.0 V
Short-Circuit Current	I _{sc}	4.83 A

MECHANICAL DATA	
Cells	96 SunPower Maxeon™ cells
Front Glass	High-transmission tempered glass
Junction Box	IP-65 rated with 3 bypass diodes 32 x 155 x 128 mm
Output Cables	1000 mm cables / Amphenol (Helios H4) connectors
Frame	Anodised aluminium alloy type 6063 (black)
Weight	18.6 kg



Please read safety and installation instructions before using this product, visit sunpowercorp.com for more details.



TESTED OPERATING CONDITIONS	
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 linear power warranty 25 year limited product warranty
Certifications	IEC 61215 Ed. 2, IEC 61730 (SCII), MCS