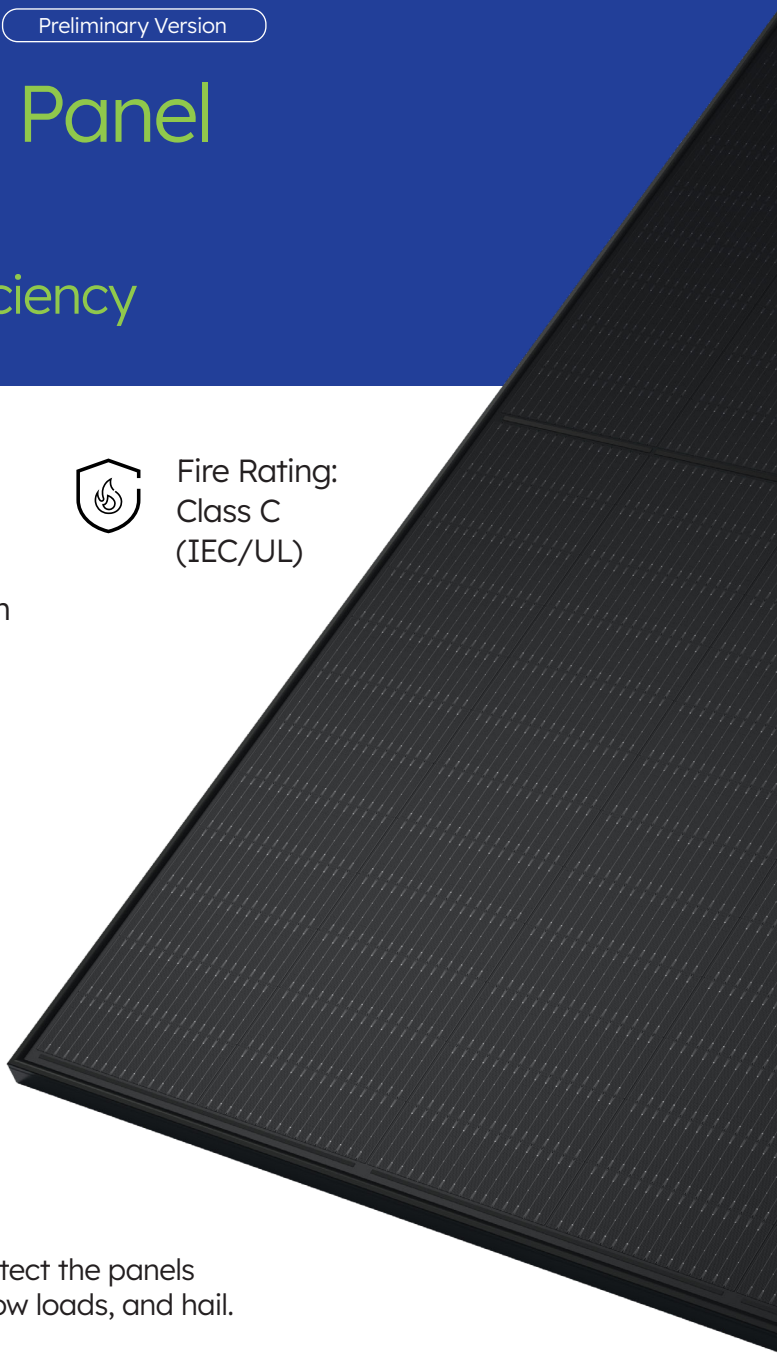
SunPower

Preliminary Version

Performance 8 Solar Panel

SPR-P8-XXX-BLK

465–475 W | Up to **23.8%** efficiency



- Ideal for residential applications
- Framed glass-glass
- Fire Rating: Class C (IEC/UL)
- One-third cut, shingled cell design
- Hail: 40 mm (27.5 m/s)

Smaller but mightier!

+5% power output per m2!

New G12R Cell Technology!

60.8% increase in illumination and 5.3% decrease in LCOE.

High lifetime energy production

The shingled-cell design helps to manage shade and keep cell temperatures low to produce more power over time.

Made for real weather

Its strong frame and cell connection design helps to protect the panels against weather challenges like temperature swings, snow loads, and hail.

No sacrifices for curb appeal

Smaller metallic wires help to achieve a sleek black appearance to seamlessly integrate into your roof.

Unrivalled reliability and service

30 YEAR WARRANTY
Power | Product | Service

Comprehensive warranty coverage

Product, power, service coverage	30 Years
Year 1 minimum warranted output	99.0%
Maximum annual degradation	0.40%

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Learn more about SunPower panels
www.sunpowerglobal.com/au

Performance 8 Black | Power: 465–475 W | Efficiency: up to 23.8%

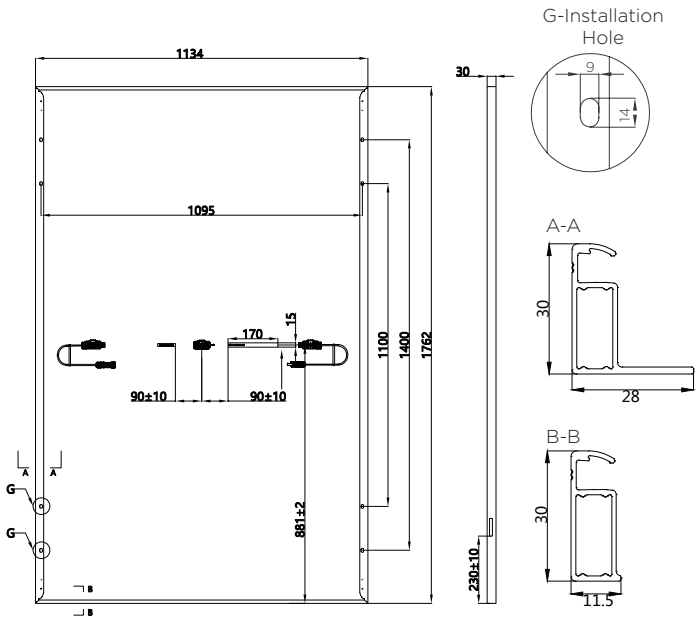
Electrical Data, Front STC Characteristics[2]			
	SPR-NT48-HH465	SPR-NT48-HH470	SPR-NT48-HH475
Nominal Power (Pnom)[3]	465W	470W	475W
Power Tolerance	+/-2%	+/-2%	+/-2%
Panel Efficiency	23.3%	23.5%	23.8%
Rated Voltage (Vmpp)	45.70 V	46.10 V	46.40 V
Rated Current (Impp)	10.18 A	10.20 A	10.24 A
Open-Circuit Voltage (Voc)[3]	54.19 V	54.59 V	54.89 V
Short-Circuit Current (Isc)[3]	10.87 A	10.91 A	10.95 A

Electrical Data	
Maximum System Voltage	1500 V IEC
Testing Temperature	–40°C to +85°C
Operation Temperature	–40°C to +70°C (IEC TS 63126)
Maximum Series Fuse	25 A
Power Temp. Coef.	–0.26% / °C
Voltage Temp. Coef.	–0.24% / °C
Current Temp. Coef.	0.046% / °C

Tests and Certifications	
Standard Tests	IEC 61215, IEC 61730
Fire Rating	Class C (IEC 61730-2 / UL 790)
Protection Class	Class II (IEC 61140)
Quality Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	ISO 45001-2018, ISO 50001:2018, Recycling Scheme

Packaging Configuration	
Number of modules per pallet	36
Number of pallets per 40ft HQ container	26
Number of modules per container	936

Mechanical Data	
Solar Cells	N-Type TOPCon Shingled
Glass	2.0 mm + 2.0 mm, high transmission heat strengthened glass, AR coating on front glass, black tint on back glass
Junction Box	IP-68, 3 bypass diodes
Connector	Stäubli MC4-EVO2A
Cables	4.0mm², +-1200mm
Weight	24.5 kg ±3%
Max. Load[4]	Wind: 2400 Pa, 245 kg/m² front & back
	Snow: 5400 Pa, 550 kg/m² front
Impact Resistance	40 mm diameter hail at 27.5 m/s
Frame	Black anodized aluminum alloy



TIER 1 BloombergNEF [1]

SOLAR STEWARDSHIP INITIATIVE MEMBER

Please read the safety and installation instructions.
www.sunpowerglobal.com/au/documents

1 Tier1 BloombergNEF based on https://taiyangnews.info/topmodules/top-solarmodules-listing-january-2026.
2 Standard Test Conditions (1000 W/mÇ irradiance, AM 1.5, 25° C). NREL calibration Standard: SOMS current, LACCS FF and Voltage.
3 Measurement tolerance is ±2%.
4 Test load as per IEC 61215-2 is equal to design load with safety factor = 1.5. See “Safety and Installation Instructions” for details.

REV A / A4_ANZ
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