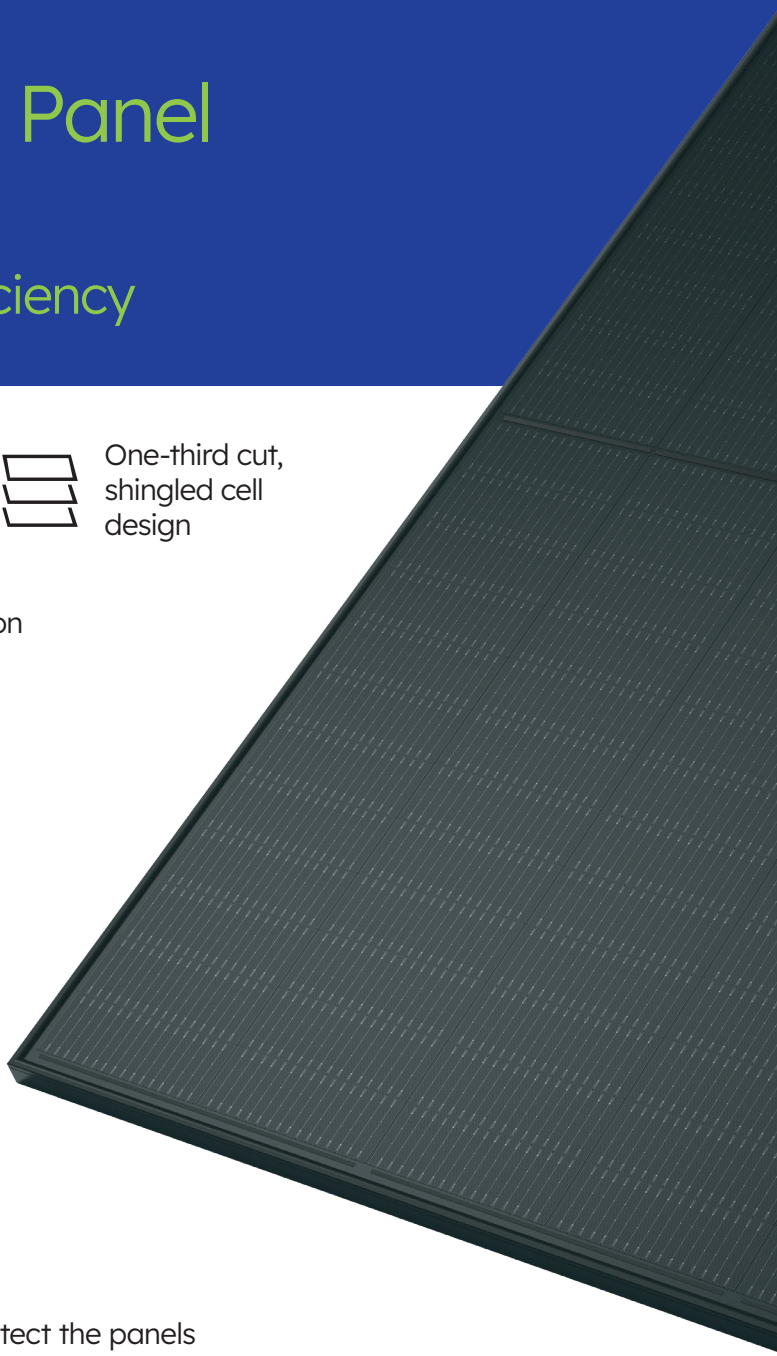
SunPower

Performance 8 Solar Panel

HSM-HHK-NM475

475 W | **23.8%** maximum efficiency



- Ideal for residential applications
- Framed glass-glass
- One-third cut, shingled cell design
- Ammonia corrosion certified*
- Salt mist corrosion certified*

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.

Leading with Transparency

From polysilicon source to finished product, Performance 8 is fully traceable.

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	0.35%

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

Made in China
TCL Zhonghuan Energy Technology (Jiangsu) Co., Ltd.

* Certification currently in progress.

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

Electrical Data, Front STC Characteristics[2]	
HSM-HHK-NM475	
Nominal Power (Pnom)[3]	475W
Power Tolerance	-5 ~ +10 W
Panel Efficiency	23.8%
Rated Voltage (Vmpp)	46.40 V
Rated Current (Impp)	10.24 A
Open-Circuit Voltage (Voc)[3]	54.89 V
Short-Circuit Current (Isc)[3]	10.95 A

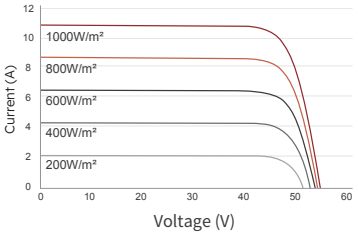
Electrical Data	
Maximum System Voltage	1500 V IEC
Testing Temperature	–40°C to +85°C
Operation Temperature	–40°C to +70°C (IEC TS 63126)
Maximum Series Fuse	25 A
Power Temp. Coef.	–0.26% / °C
Voltage Temp. Coef.	–0.24% / °C
Current Temp. Coef.	0.046% / °C

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
Frame	Black anodized aluminum alloy

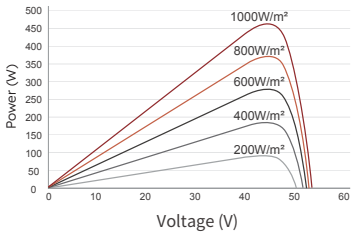
Tests and Certifications	
Standard Tests	IEC 61215, IEC 61730
Fire Rating	Class C (IEC 61730-2 / UL 790) Class A Certification in Process
Protection Class	Class II (IEC 61140)
Quality Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	ISO 45001-2018, ISO 50001:2018, Recycling Scheme
Salt Mist Corrosion*	Severity 8 - IEC61701
Ammonia Corrosion*	IEC62716

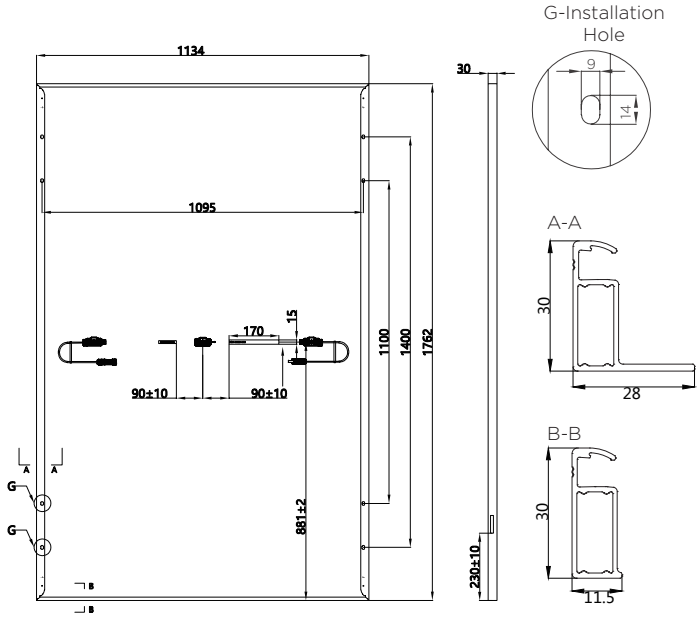
Packaging Configuration	
Number of modules per pallet	36
Number of pallets per 40ft HQ container	26
Number of modules per container	936

I-V Curves (465W)



P-V Curves (465W)





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 Pmax ± 3%, Voc ±3%, Isc ±4%
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.
* Certification currently in progress.

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