LUXEN SOLAR

PSP

PSPENERGY.COM.AR

+54 9 11 3165-5899

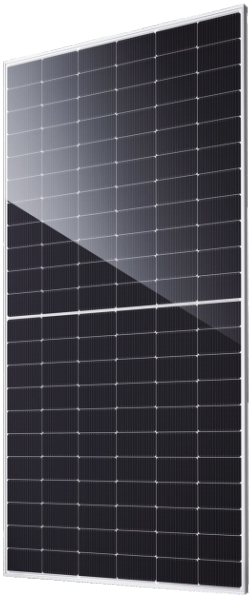
PSPENERGY

LUXPOWER® SERIES N5

565-585W Mono

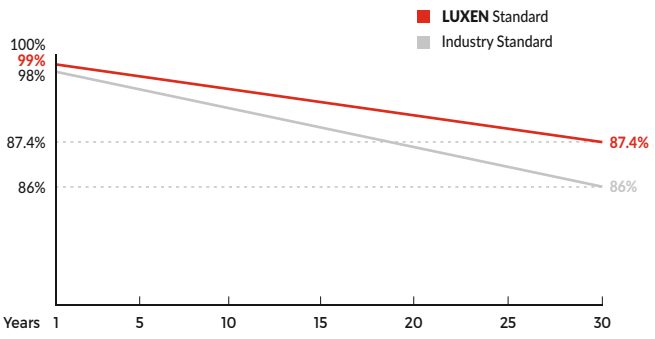
132 Half-Cell Layout

M10R N-TOPCon Cell



- LECO N-TOPCon Cell Technology
- Half Cut Cell Technology
- SMBB Technology
- Excellent Anti-PID Low LID Performance
- Less Hot Spot Shading Effects
- Higher Power Output Lower BOS & LCOE

Linear Performance Warranty



* LUXEN TOPCon: Standard warranty 15 years, can be extended up to 20 years.

Insured By

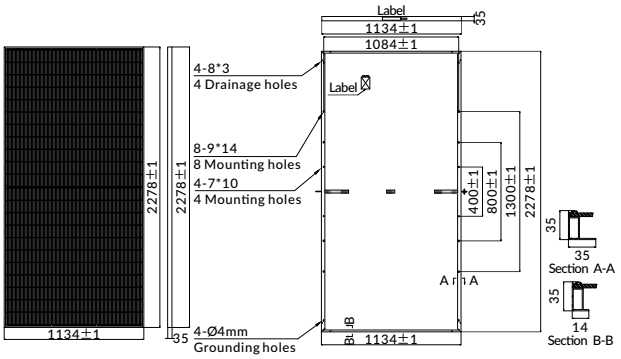
China Continent Insurance · Ariel Re · LLOYD'S Underwriters · PICC

Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2278 x 1134 x 35mm
Weight	27.5kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm²
	280mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNCT-565N		LNCT-570N		LNCT-575N		LNCT-580N		LNCT-585N	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	565W	425W	570W	429W	575W	433W	580W	437W	585W	441W
Open Circuit Voltage (Voc)	47.52V	44.73V	47.73V	44.96V	47.93V	45.18V	48.14V	45.40V	48.34V	45.62V
Short Circuit Current (Isc)	15.13A	12.10A	15.19A	12.15A	15.25A	12.20A	15.31A	12.25A	15.37A	12.30A
Voltage at Maximum power (Vmpp)	39.62V	37.25V	39.80V	37.45V	39.99V	37.64V	40.17V	37.83V	40.34V	38.02V
Current Maximum Power (Impp)	14.26A	11.41A	14.32A	11.46A	14.38A	11.50A	14.44A	11.55A	14.50A	11.60A
MODULE EFFICIENCY (%)	21.87%		22.07%		22.26%		22.45%		22.65%	

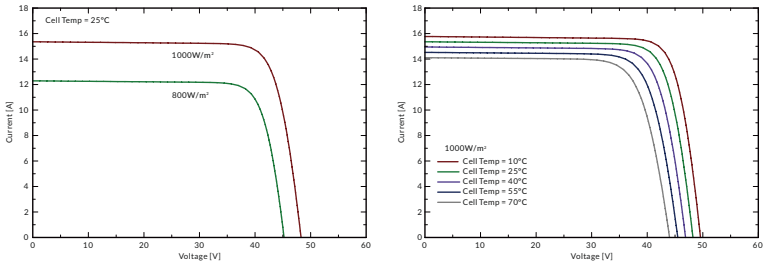
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G **NMOT:** Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	31
Pallets per container	20
Pieces per container	620

I-V CURVE

LNCT-580N/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.29%°C
Temperature Coefficient of Voc	-0.25%°C
Temperature Coefficient of Isc	+0.045%°C

Note: The specifications, data and technical characteristics provided in this data sheet are subject to changes due to continuous R&D, product innovation and improvement. LUXEN SOLAR reserves the right to modify the information any time without prior notice.