

LUXPOWER® SERIES N5



585W Mono
144 Half-Cell Layout
M10 N-TOPCon Cell



N LECO N-TOPCon Cell Technology

 Half Cut Cell Technology

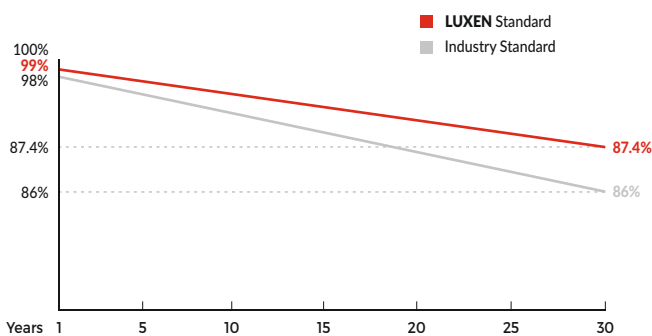
 SMBB Technology

anti PID LID Excellent Anti-PID Low LID Performance

A Less Hot Spot Shading Effects

 Higher Power Output Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

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



LUXEN SOLAR ENERGY CO., LTD.

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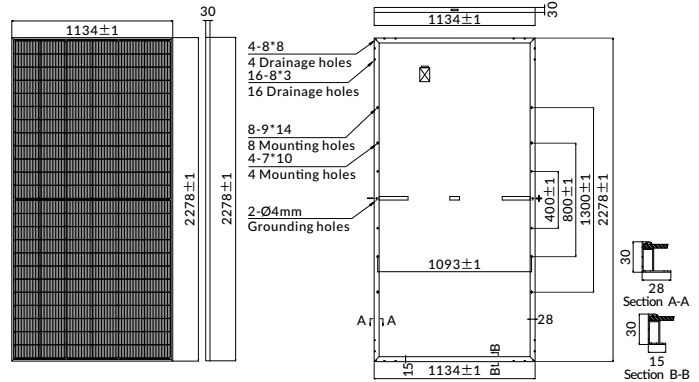
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MECHANICAL CHARACTERISTICS

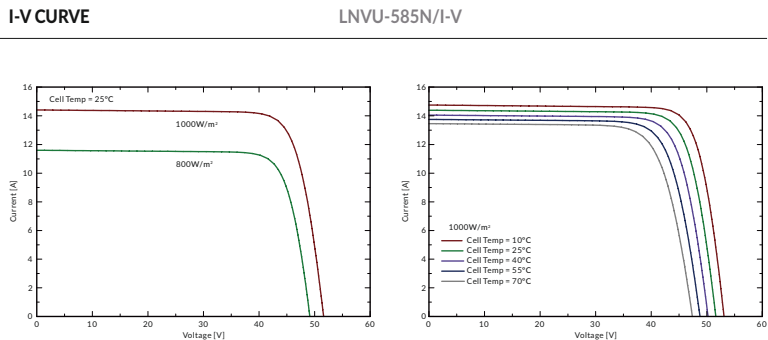
Solar Cells	N-type Mono
No. of Cells	144 (6x24)
Dimensions	2278 x 1134 x 30mm
Weight	27.0kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVU-585N	
	STC	NMOT
Maximum power (Pmax)	585W	441W
Open Circuit Voltage (Voc)	51.70V	49.31V
Short Circuit Current (Isc)	14.40A	11.63A
Voltage at Maximum power (Vmpp)	43.24V	40.05V
Current Maximum Power (Impp)	13.53A	11.01A
MODULE EFFICIENCY (%)	22.65%	
STC: Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G		

PACKING CONFIGURATION		
Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	5	20
Pieces per container	180	720



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
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.