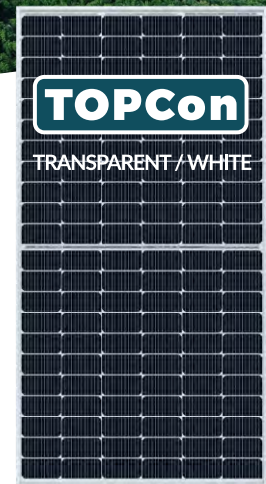


LUXPOWER® SERIES N5



560-580W Mono BIFACIAL DG

132 Half-Cell Layout
M10/182mm N-TOPCon Cell



LECO N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

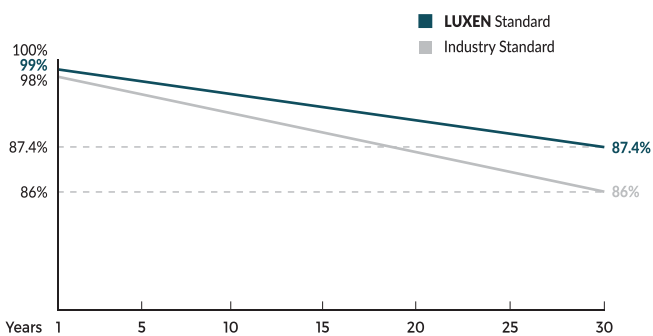


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear performance Warranty



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

Comprehensive Certificates

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



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+54 (0341) 439 7575



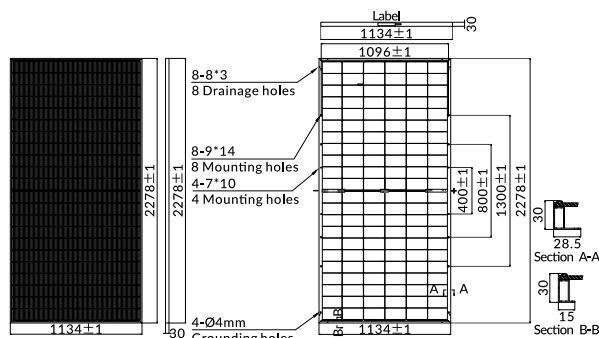
info@solartex.com.ar



Pichincha Bis 54
Rosario, Argentina

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2278 x 1134 x 30mm
Weight	31.5kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	280mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	STCT-560ND		STCT-565ND		STCT-570ND		STCT-575ND		STCT-580ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	560W	421W	565W	425W	570W	429W	575W	433W	580W	437W
Open Circuit Voltage (Voc)	47.24V	44.37V	47.45V	44.60V	47.66V	44.83V	47.86V	45.05V	48.07V	45.28V
Short Circuit Current (Isc)	15.03A	12.02A	15.09A	12.07A	15.15A	12.12A	15.21A	12.17A	15.27A	12.22A
Voltage at Maximum power (Vmpp)	39.55V	37.16V	39.73V	37.36V	39.92V	37.55V	40.10V	37.74V	40.28V	37.93V
Current Maximum Power (Impp)	14.16A	11.33A	14.22A	11.38A	14.28A	11.42A	14.34A	11.47A	14.40A	11.52A
MODULE EFFICIENCY (%)	21.68%		21.87%		22.07%		22.26%		22.45%	

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

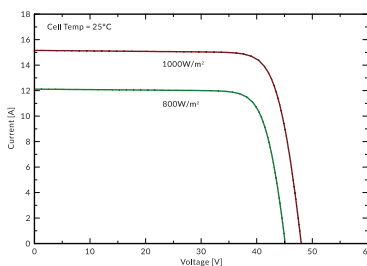
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		STCT-560ND		STCT-565ND		STCT-570ND		STCT-575ND		STCT-580ND	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
5%	Maximum power (Pmax)	588W		593W		599W		604W		609W	
	Module Efficiency STC (%)	22.76%		22.97%		23.17%		23.37%		23.57%	
15%	Maximum power (Pmax)	644W		650W		656W		661W		667W	
	Module Efficiency STC (%)	24.93%		25.15%		25.37%		25.60%		25.82%	
25%	Maximum Power (Pmax)	700W		706W		713W		719W		725W	
	Module Efficiency STC (%)	27.10%		27.34%		27.58%		27.82%		28.07%	

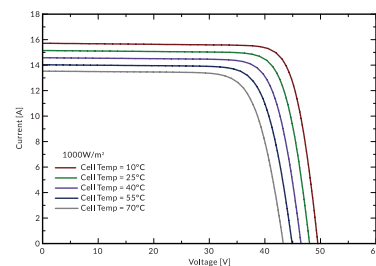
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	36
Pallets per container	20
Pieces per container	720

I-V CURVE



LNCT-575ND/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. SOLARTEX reserves the right to modify the information any time without prior notice.