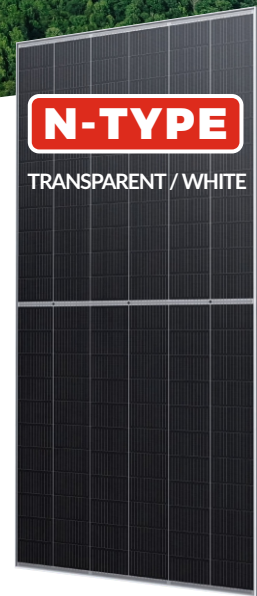


LUXPOWER® SERIES **N**6

690-710W Mono BIFACIAL DG

132 Half-Cell Layout

G12/210mm N-TYPE Cell



LECO N-TYPE Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

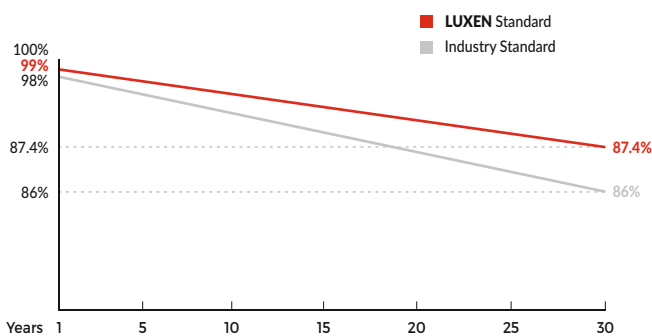


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear Performance Warranty



* LUXEN N-TYPE: Standard warranty 15 years, can be extended up to 20 years.

Insured By



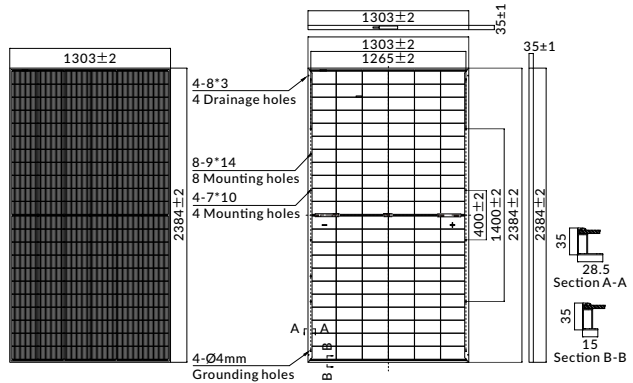
Comprehensive Certificates

- 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	2384 x 1303 x 35mm
Weight	38.5kg
Front / Back Glass	2.0mm coated semi-tempered glass
Frame	Anodized aluminium alloy (reinforced high-load optional)
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	250mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	Front 5400Pa / Rear 2400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNET-690ND		LNET-695ND		LNET-700ND		LNET-705ND		LNET-710ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	690W	524W	695W	528W	700W	532W	705W	536W	710W	540W
Open Circuit Voltage (Voc)	47.95V	45.52V	48.15V	45.73V	48.34V	45.93V	48.54V	46.13V	48.73V	46.33V
Short Circuit Current (Isc)	18.29A	14.63A	18.34A	14.67A	18.39A	14.71A	18.44A	14.75A	18.49A	14.79A
Voltage at Maximum power (Vmpp)	39.84V	37.82V	40.03V	38.02V	40.23V	38.22V	40.42V	38.42V	40.62V	38.62V
Current Maximum Power (Impp)	17.32A	13.86A	17.36A	13.89A	17.40A	13.92A	17.44A	13.95A	17.48A	13.98A
MODULE EFFICIENCY (%)	22.21%		22.37%		22.53%		22.70%		22.86%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

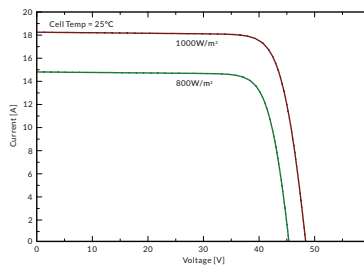
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNET-690ND		LNET-695ND		LNET-700ND		LNET-705ND		LNET-710ND	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
5%	Maximum power (Pmax)	725W		730W		735W		740W		746W	
	Module Efficiency STC (%)	23.32%		23.49%		23.66%		23.83%		24.00%	
15%	Maximum power (Pmax)	794W		799W		805W		811W		817W	
	Module Efficiency STC (%)	25.54%		25.73%		25.91%		26.10%		26.28%	
25%	Maximum Power (Pmax)	863W		869W		875W		881W		888W	
	Module Efficiency STC (%)	27.77%		27.97%		28.17%		28.37%		28.57%	

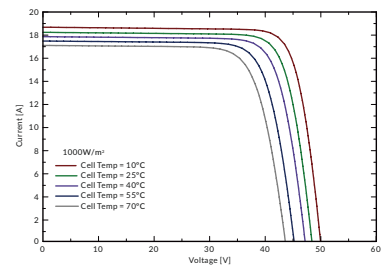
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	32
Pallets per container	18
Pieces per container	576

I-V CURVE



LNET-690ND/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	35A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C

Note: The technical parameters included in this datasheet may have minor deviations, and Luxen does not guarantee absolute accuracy. Due to ongoing product innovation and enhancements, Luxen reserves the right to modify the information in this manual at any time without prior notice. Customers should obtain the latest version of the technical manual when signing the contract, and it shall be considered an integral part of the binding contract between the parties. Please note that qualified professionals should handle and install solar modules to ensure optimal module performance.