

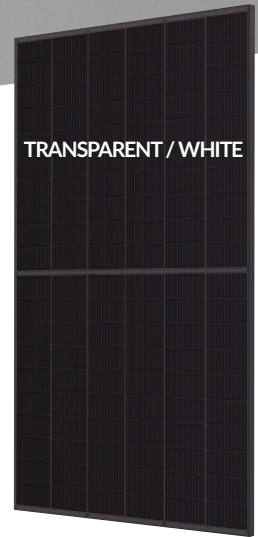
CNBPOWER® SERIES 6

585-605W Mono

120 Half-Cell Layout

FULL BLACK BIFACIAL DG

M12/210mm Cell



Bifacial Cell
Module Technologies



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID
Low LID
Performance

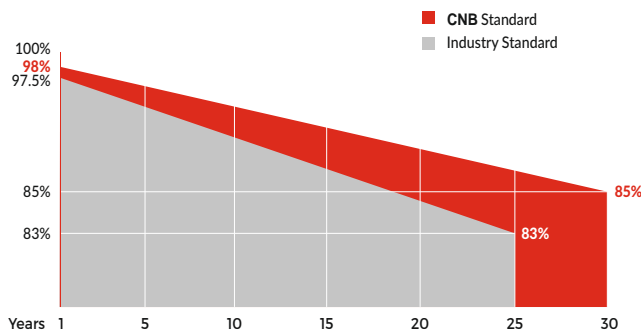


Less Hot Spot
Shading Effects



Enduring High
Reliability & Performance

Linear performance Warranty



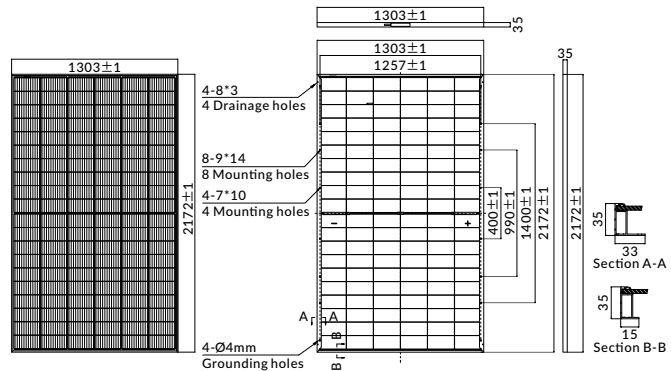
Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	120 (6x20)
Dimensions	2172 x 1303 x 35mm
Weight	35.0kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ² 300mm (+) / 300mm (-) Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNEK-585MD	LNEK-590MD	LNEK-595MD	LNEK-600MD	LNEK-605MD
	STC	STC	STC	STC	STC
Maximum power (Pmax)	585W	590W	595W	600W	605W
Open Circuit Voltage (Voc)	41.58V	41.75V	41.93V	42.10V	42.27V
Short Circuit Current (Isc)	18.18A	18.24A	18.29A	18.35A	18.40A
Voltage at Maximum power (Vmpp)	34.07V	34.24V	34.43V	34.61V	34.78V
Current Maximum Power (Impp)	17.17A	17.23A	17.28A	17.34A	17.39A
MODULE EFFICIENCY (%)	20.67%	20.85%	21.02%	21.20%	21.38%

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

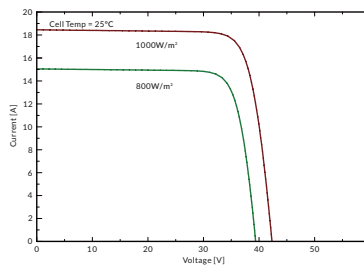
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNEK-585MD	LNEK-590MD	LNEK-595MD	LNEK-600MD	LNEK-605MD
5%	Maximum power (Pmax)	614W	620W	625W	630W	635W
	Module Efficiency STC (%)	21.70%	21.89%	22.08%	22.26%	22.45%
15%	Maximum power (Pmax)	673W	679W	684W	690W	696W
	Module Efficiency STC (%)	23.77%	23.97%	24.18%	24.38%	24.58%
25%	Maximum Power (Pmax)	731W	738W	744W	750W	756W
	Module Efficiency STC (%)	25.84%	26.06%	26.28%	26.50%	26.72%

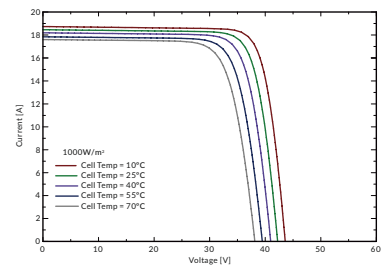
PACKING CONFIGURATION

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

I-V CURVE



LNEK-605MB/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)	43±2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.04%/°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. CNB SOLAR reserves the right to modify the information any time without prior notice.