



LUXPOWER[®] **BC**

640~670W BIFACIAL DG

132 BC SERIES White



Advanced
BC + 0BB



Value-Added
Higher power, A+Anti-Shading

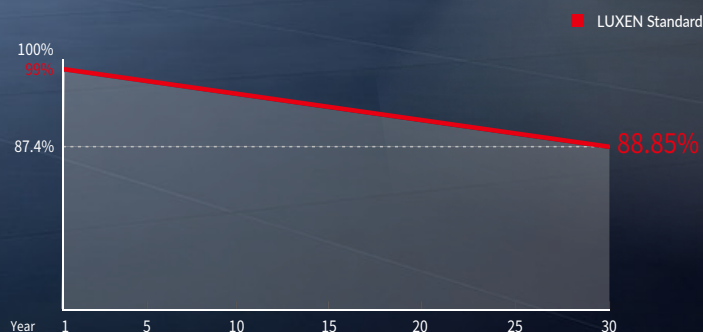


Aesthetic
No Frontal Gridlines,
Scenario Integration



Safe
Prevent Localized Overheating,
Less Micro-Cracks

Linear Performance Warranty



Insured By



Comprehensive Certificates

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



24.80%

MAX MODULE
EFFICIENCY

0~3%

POWER
TOLERANCE

< 1%

FIRST YEAR
POWER DEGRADATION

0.35%

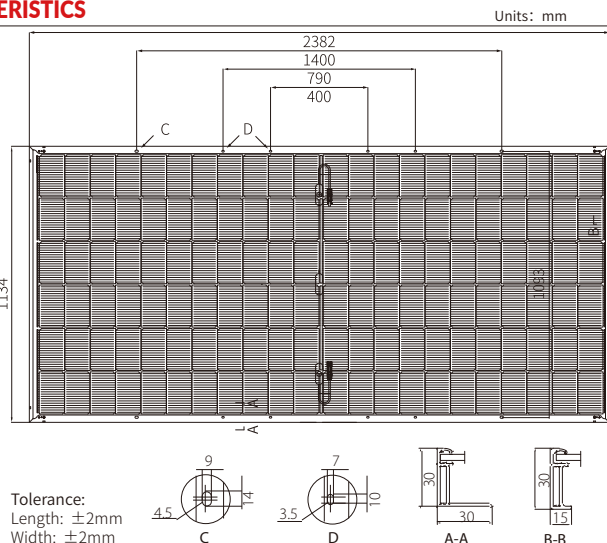
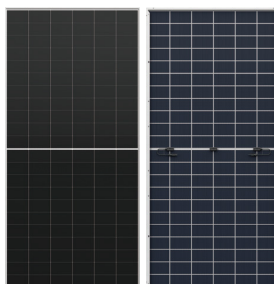
YEAR 2-30
POWER DEGRADATION

BC-CELL

LOWER OPERATING
TEMPERATURE

MECHANICAL CHARACTERISTICS

Cell Orientation	132 (6×22)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +400, -200mm/±1400mm length can be customized
Glass	Dual glass 2.0+2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Weight	32.5kg
Dimension	2382×1134×30mm
Packaging	36 pcs per pallet 144 pcs per 20' GP 720 pcs per 40' HC



ELECTRICAL PARAMETERS

POWER CLASS	LNDT-640BD		LNDT-645BD		LNDT-650BD		LNDT-655BD		LNDT-660BD		LNDT-665BD		LNDT-670BD	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (P _{max} /W)	640	486	645	490	650	494	655	498	660	502	665	505	670	509
Open Circuit Voltage (V _{oc} /V)	49.52	47.04	49.62	47.14	49.72	47.23	49.82	47.33	49.92	47.42	50.02	47.52	50.12	47.61
Short Circuit Current (I _{sc} /A)	16.38	13.10	16.46	13.17	16.54	13.23	16.62	13.30	16.70	13.36	16.78	13.42	16.86	13.49
Voltage at Maximum Power (V _{mp} /V)	40.78	38.74	40.88	38.84	40.98	38.93	41.08	39.03	41.18	39.12	41.28	39.22	41.38	39.31
Current at Maximum Power (I _{mp} /A)	15.69	12.56	15.78	12.62	15.86	12.69	15.94	12.76	16.03	12.89	16.11	12.89	16.19	12.95
Module Efficiency(%)	23.69		23.88		24.06		24.25		24.43		24.62		24.80	

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

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (P _{max})	672W	677W	683W	688W	693W	698W	704W
	Module Efficiency STC (%)	24.88%	25.07%	25.27%	25.46%	25.66%	25.85%	26.04%
15%	Maximum power (P _{max})	736W	742W	748W	753W	759W	765W	771W
	Module Efficiency STC (%)	27.25%	27.46%	27.67%	27.89%	28.10%	28.31%	28.52%
25%	Maximum power (P _{max})	800W	806W	813W	819W	825W	831W	838W
	Module Efficiency STC (%)	29.62%	29.85%	30.08%	30.31%	30.54%	30.77%	31.00%

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	35A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Bifaciality	70±5%
Fire Rating	IEC Class C

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of I _{sc}	+0.050%/°C
Temperature Coefficient of V _{oc}	-0.200%/°C
Temperature Coefficient of P _{max}	-0.260%/°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.



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