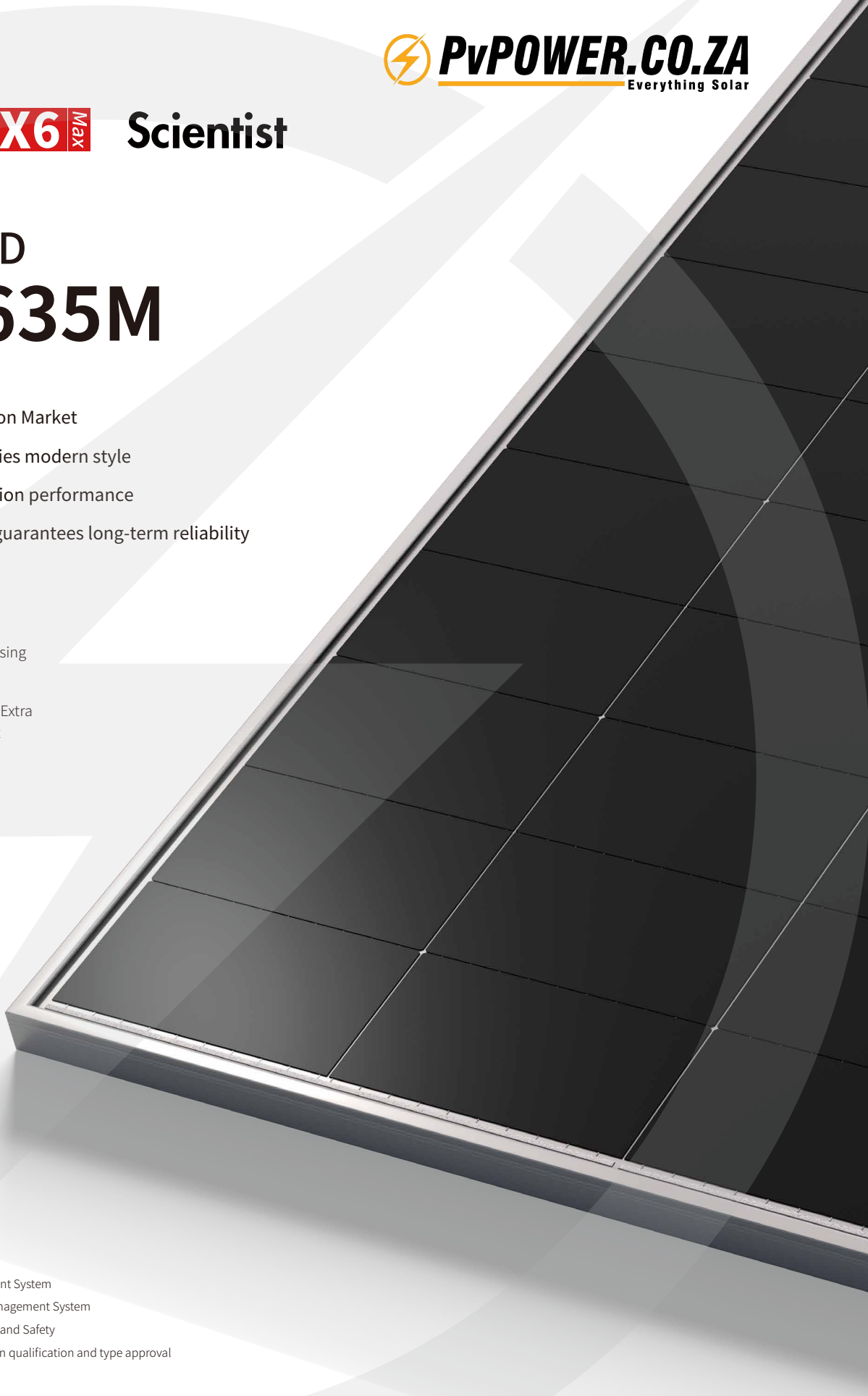
Hi-MO X6 Max Scientist

LR8-66HTD
610~635M

- Suitable for Distribution Market
- Simple design embodies modern style
- Better energy generation performance
- High-quality module guarantees long-term reliability

15 15-year Warranty for Materials and Processing

30 30-year Warranty for Extra Linear Power Output



Complete System and Product Certifications

IEC 61215, IEC 61730
ISO9001:2015: ISO Quality Management System
ISO14001: 2015: ISO Environment Management System
ISO45001: 2018: Occupational Health and Safety
IEC62941: Guideline for module design qualification and type approval

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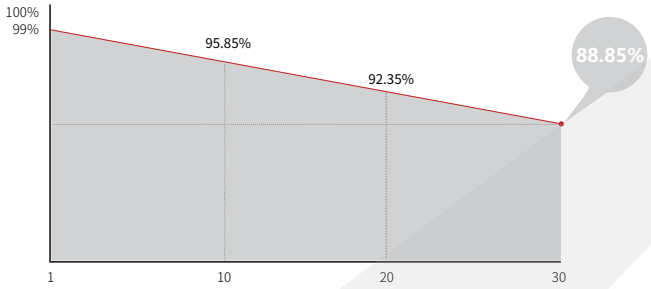
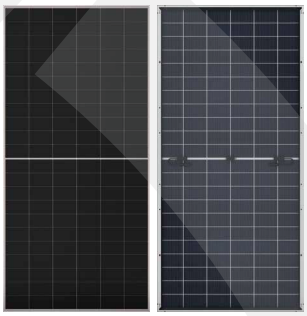
LR8-66HTD 610~635M

23.51%	0~3%	<1%	0.35%	BC-CELL
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

Additional Value

30-Year Power Warranty

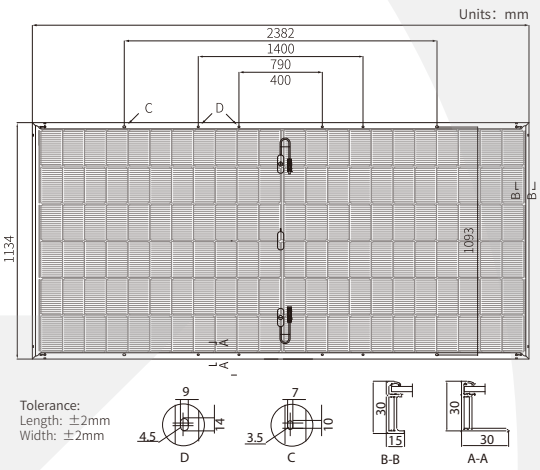




Mechanical Parameters

Cell Orientation	132 (6×22)
Junction Box	IP68, three diodes
Output Cable	4mm², +400, -200mm/±1400mm length can be customized
Glass	Dual glass, 2.0+2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Weight	33.5kg
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20' GP / 720pcs per 40' HC

Units: mm



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C Test uncertainty for Pmax:±3%

Module Type	LR8-66HTD-610M	LR8-66HTD-615M	LR8-66HTD-620M	LR8-66HTD-625M	LR8-66HTD-630M	LR8-66HTD-635M
Testing Condition	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	610	615	620	625	630	635
Open Circuit Voltage (Voc/V)	48.92	49.02	49.12	49.22	49.32	49.42
Short Circuit Current (Isc/A)	15.90	15.98	16.06	16.14	16.22	16.30
Voltage at Maximum Power (Vmp/V)	40.18	40.28	40.38	40.48	40.58	40.68
Current at Maximum Power (Imp/A)	15.18	15.27	15.35	15.44	15.52	15.61
Module Efficiency(%)	22.58	22.77	22.95	23.14	23.32	23.51

Electrical characteristics with different rear side power gain (Taking 615W as the baseline)

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
615	49.02	15.98	40.28	15.27	0%
646	49.02	16.78	40.28	16.03	5%
677	49.02	17.58	40.28	16.79	10%
707	49.12	18.38	40.38	17.51	15%
738	49.12	19.18	40.38	18.28	20%
769	49.12	19.98	40.38	19.04	25%

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 Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.280%/°C

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Address: Unit C, 16 Liebenberg Street,Alrode, 1451
Tel: +27 10 449 9745
www.pvpower.co.za

PvPOWER.CO.ZA Everything Solar