

DE-78M10HC625W-650W

Small in size, bigger on power

- Up to 650W, 23.3% module efficiency with high density interconnect technology
- Reduce installation cost with higher power bin and efficiency
- Boost performance in warm weather with low temperature coefficient and operating temperature

High customer value

- Lower LCOE , reduced BOS cost, better ROI
- Lowest guaranteed first year and annual degradation
- Optimized compatibility with existing mainstream system components

High output power

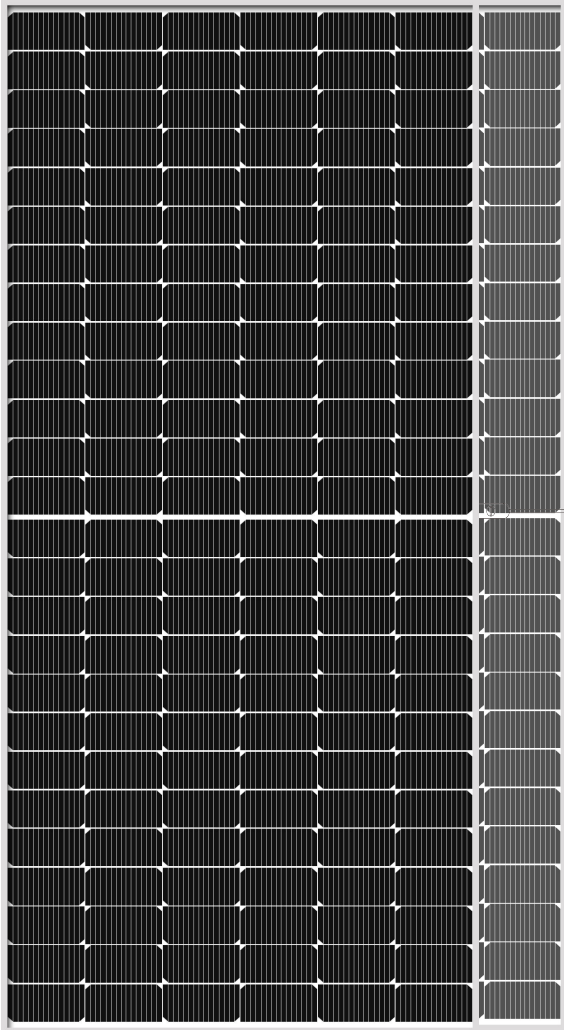
- Based on M10-182mm solar cells with N-type TopCon technology
- High density interconnection provides improved power density
- MBB technology improves light-trapping effect and current-collection, while lowering series resistance

High reliability

- Minimized micro-cracks with innovative non-destructive cutting technology minimizes micro-cracking
- Ensured PID resistance through improved cell process and module material control
- Resistant to harsh environments
- Mechanical performance up to +5400/-2400 Pa

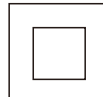
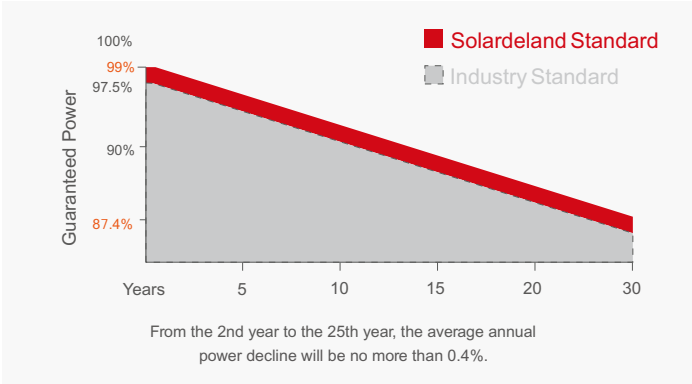
Longer warranty

- First-year degradation 1% and annual degradation at 0.4%
- Up to 12 years product warranty and 25 years power warranty



PRODUCT Warranty

12 YEARS Product Warranty
30 YEARS Performance guarantee



M10-BIFACIAL 625W-650W

MECHANICAL PARAMETERS

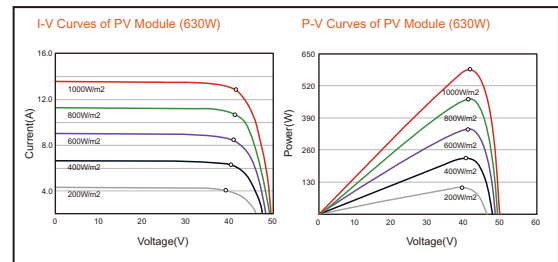
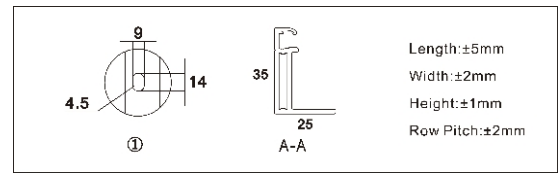
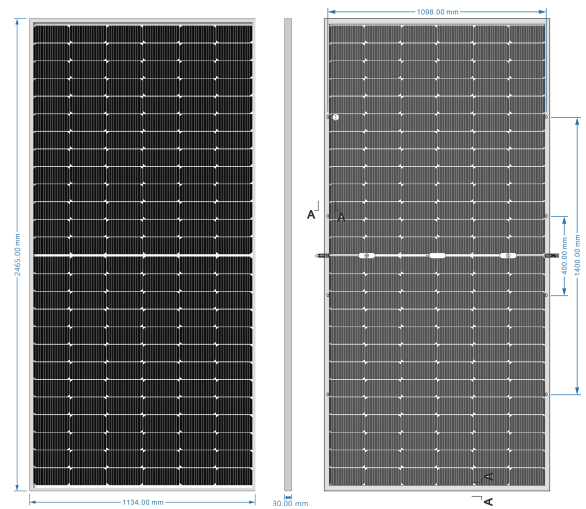
Cell Orientation	6*26(156)solar half cells
Junction Box	IP 68 3 diodes
Output Cable	Output Cable
FrontGlass	2.0mm,Anti-reflection Coating
BackGlass	2.0mm,Heat Strengthened Glass
Frame	30mm Anodized Aluminium Alloy
Weight	36.5Kg(+/-0.5kg)
Dimension	2465*1134*30mm
Packaging	36pcs/pallet,720pcs/40HQ Container

OPERATING PARAMETERS

Operational Temperature	-40~+85°C
Power Output Tolerance	0~5W
Voc and Isc Tolerance	±3%
Maximum System Voltage	1000/1500VDC(IEC)
Maximum Series Fuse Rating	25A
Nominal Operational Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

PRODUCT WARRANTY

Warranty for Materials and Processing	12 Years
Warranty for Extra Linear Power Output	30Years



ELECTRICAL CHARACTERISTICS STC AM1.5 1000W/m² 25°C NOCT:AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax:±3%

Module Type	DE-78M10HC625W	DE-78M10HC630W	DE-78M10HC635W	DE-78M10HC640W	DE-78M10HC645W	DE-78M10HC650W
Testing Condition	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT
Maximum Power(Pmax/W)	625W 688W	630W 693W	635W 699W	640W 704W	645W 710W	650W 716W
Voltage at Maximum Power(Vmp/V)	47.54 47.57	47.70 47.73	47.86 47.91	48.02 48.06	48.17 48.23	48.33 48.40
Current at Maximum Power(Imp/A)	13.15 14.46	13.21 14.52	13.27 14.65	13.33 14.65	13.39 14.72	13.45 14.79
Open Circuit Voltage(Voc/V)	56.95 57.00	57.08 57.14	57.21 57.28	57.34 57.42	57.47 57.56	57.60 57.70
Short Circuit Current(sc/A)	13.80 15.19	13.86 15.27	13.92 15.35	13.98 15.43	14.04 15.51	14.10 15.59
Module Efficiency(%)	22.40%	22.50%	22.70%	22.90%	23.10%	23.30%

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	0.04%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Pmax	-0.30%/°C

Bifacial Output-Rearside Power Gain

		656W	662W	667W	672W	677W	683W
5%	Maximum Power(Pmax)	656W	662W	667W	672W	677W	683W
	Module Efficiency(STC(%))	23.52%	23.63%	23.84%	24.05%	24.26%	24.47%
10%	Maximum Power(Pmax)	688W	693W	699W	704W	710W	715W
	Module Efficiency(STC(%))	24.64%	24.75%	24.97%	25.19%	25.41%	25.63%

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