

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

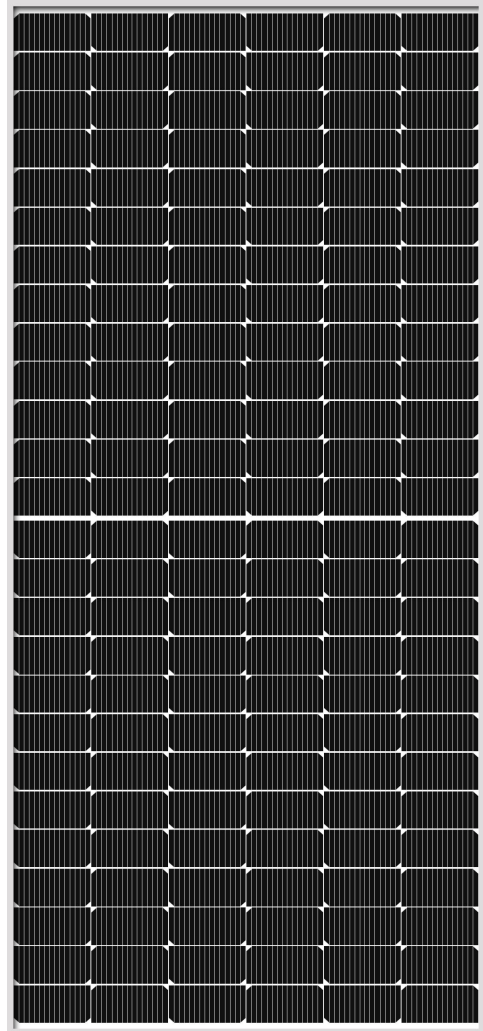
- Based on M10-182mm solar cells with N-type TopCon technology
- High density interconnection provides improved power density
- MBB technology improves light-trapping effect and current-collection, while lowering series resistance

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

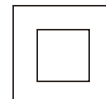
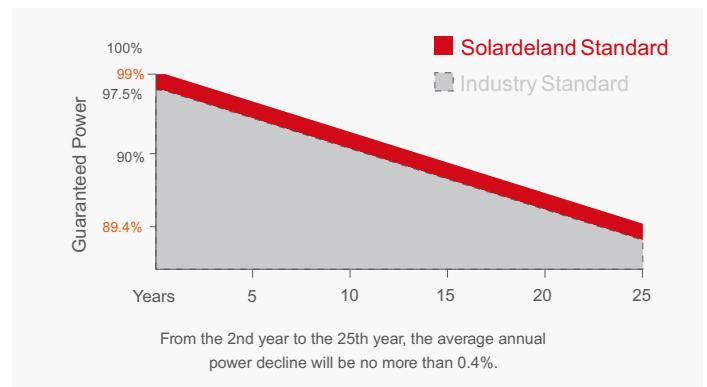
- First-year degradation 1% and annual degradation at 0.4%
- Up to 12 years product warranty and 25 years power warranty



PRODUCT Warranty

12 YEARS Product Warranty

25 YEARS Performance guarantee



M10-MONOFACIAL 625W-650W

MECHANICAL PARAMETERS

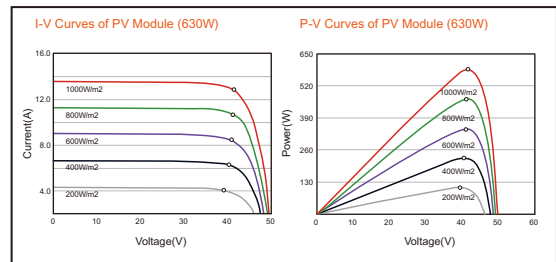
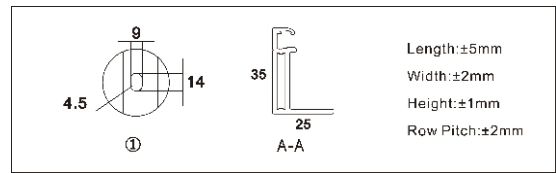
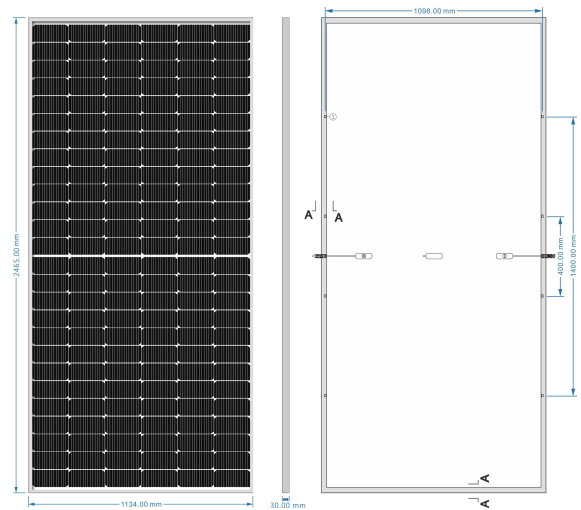
Cell Orientation	6*26(156)solar half cells
Junction Box	IP 68 3 diodes
Output Cable	Output Cable
Front Glass	3.2 mm, Anti-reflection Coating, High Transmission, Low Iron, Fully Strengthened Glass
Frame	30mm Anodized Aluminium Alloy
Weight	34Kg(+/-0.5kg)
Dimension	2465*1134*30mm
Packaging	36pcs/pallet,720pcs/40HQ 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	25 Years



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	
	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

Solardeland

+49 15206248869 info@solardeland.com www.solardeland.com

Kreuzstr. 60, 40210 Düsseldorf, Germany

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