

N⁺ series

Anti-dust accumulation Solar Panels-78

620-645W

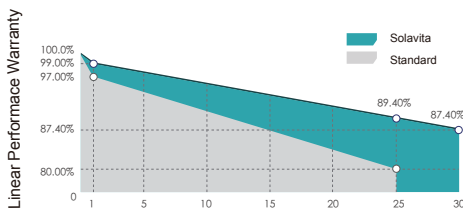
QUALITY SYSTEM

IEC 61215(2021), IEC 61730(2018)

ISO 9001:2015: Quality management systems

ISO 14001:2015: Environmental management systems

ISO 45001:2018: Occupational health and safety management systems



15 YEARS 15-year product warranty

30 YEARS 30-year linear power output warranty

0.4% Year 2-30 power degradation

KEY FEATURES



Anti-dust accumulation design
Reducing the impact of dust accumulation



Lower O&M Costs
Improving life-cycle power generation
Reduces cleaning frequency and cost



Improvement in power generation performance
Conversion efficiency reached 22.89%



Highly Anti PID

linear power warranty with first year ≤1% degradation and an annual degradation rate of up to 0.4% after that.

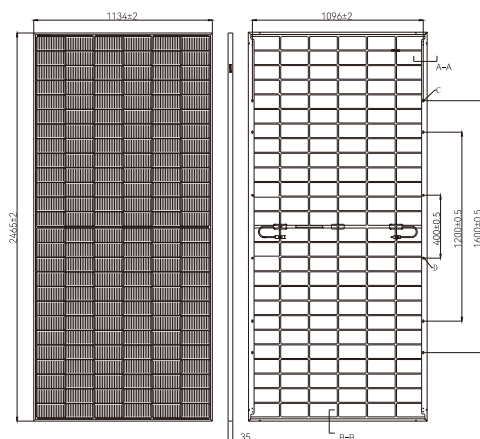


Mechanical load enhancement

Maximum wind load (2400Pa) / Maximum snow load (5400Pa)



Technical drawing



Mechanical Specifications

Solar Cells 156(78×2)

Dimension 2465 × 1134 × 35mm

Weight 34.3kg

Front Glass 2.0mm tempered Glass, high transparency

Back Glass 2.0mm heat-tempered glass

Frame anodized aluminium alloy

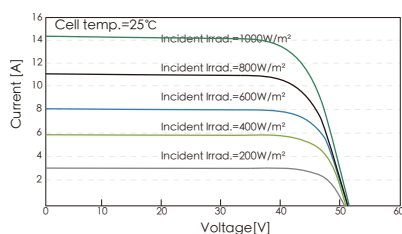
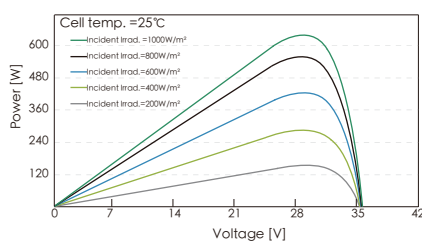
Junction Box IP68 / 3 diodes

Output Cables 4mm² / +300mm -300mm (Customized Length)

Electrical Characteristics

Module Type	QM182THCD620-78	QM182THCD625-78	QM182THCD630-78	QM182THCD635-78	QM182THCD640-78	QM182THCD645-78
	STC	STC	STC	STC	STC	STC
Maximum Power[W]	620	625	630	635	640	645
Maximum Power Voltage[V]	47.38	47.55	47.72	47.89	48.08	48.23
Maximum Power Current[A]	13.09	13.15	13.20	13.26	13.32	13.37
Open circuit voltage[V]	56.97	57.17	57.38	57.58	57.79	57.99
Short Circuit Current[A]	13.45	13.51	13.57	13.63	13.69	13.75
Module Efficiency	22.18%	22.30%	22.53%	22.71%	22.89%	23.07%
Operating Temperature	-40℃~+85℃					
Maximum System Voltage	DC1500V					
Maximum Series Fuse Rating	25A/30A					
Power Tolerance[W]	0~+5W					
Voc Temperature Coefficient	-0.28%/℃					
Pmax Temperature Coefficient	-0.29%/℃					
Isc Temperature Coefficient	0.04%/℃					
Nominal Operating Cell Temperature	45±2℃					

Characteristic



Level

Fire Performance C

Security Protection Class II

Packing Configuration

Pallet 31pcs/Pallet

Container 496pcs/40HQ Container