

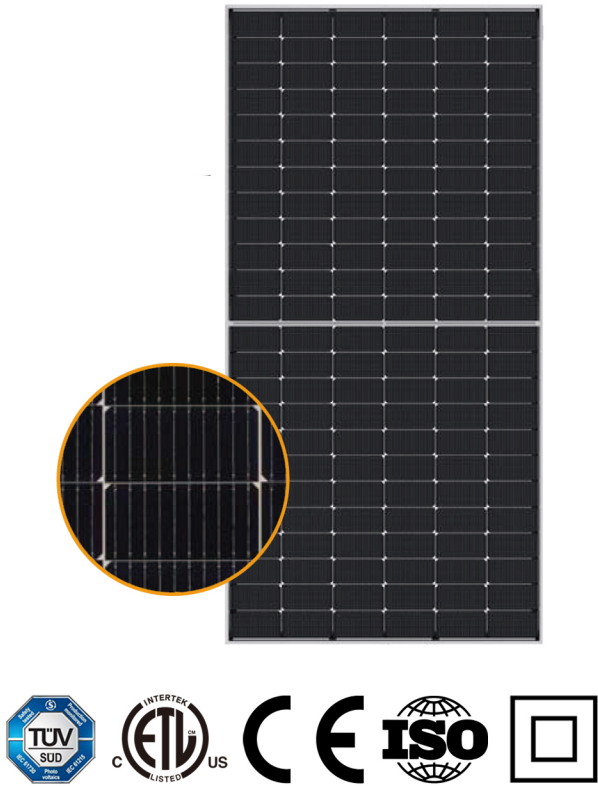
MY-M10/144

540~560 Watt

MONO-FACIAL MODULE
P-Type / Half-Cell / Single glass / M10

Completes System and Product Certifications

- IEC61215(2016)
- 1EC61730(2016)
- ISO9001:2015 : Quality Management System
- ISO14001:2015 : Environment Management System
- ISO45001:2018 : Occupational health and safety management systems



Key Features

SMBB Technology

High Efficiency

Higher power output

Higher Lifetime Power Yield

1500V

Saving BOS Cost

Severe Weather Resilience

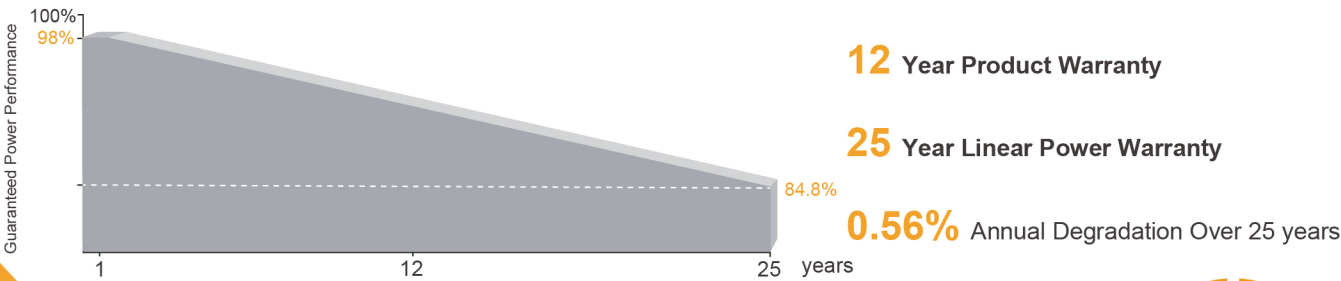
Low-light Performance

Durability Against Extreme Environmental Conditions

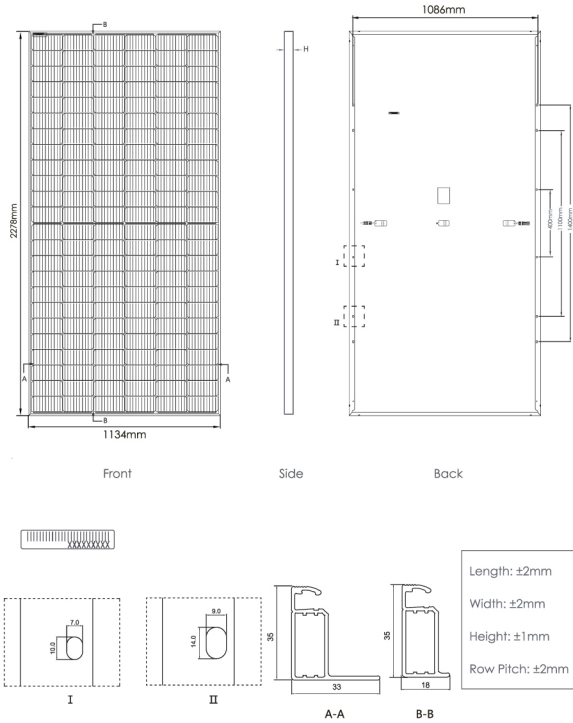
PID Resistance

Enhanced Mechanical Load

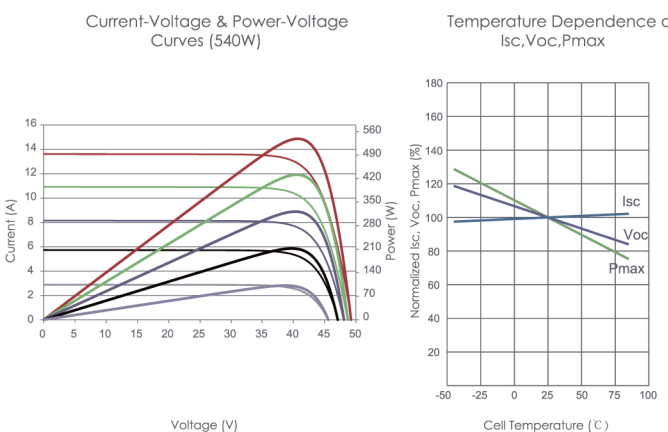
Linear Performance Warranty



Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×35mm (89.53×44.65×1.38 inch)
Weight	28 kg (61.73 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

Packaging Configuration

(Two panilets=One stack)
31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

SPECIFICATIONS

Module Type	MY-M10/144-540		MY-M10/144-545		MY-M10/144-550		MY-M10/144-555		MY-M10/144-560	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	540Wp	402Wp	545Wp	405Wp	550Wp	409Wp	555Wp	413Wp	560Wp	417Wp
Maximum Power Voltage (Vmp)	40.70V	38.08V	40.80V	38.25V	40.90V	38.42V	40.99V	38.59V	41.09V	38.69V
Maximum Power Current (Imp)	13.27A	10.55A	13.36A	10.60A	13.45A	10.65A	13.54A	10.70A	13.63A	10.77A
Open-circuit Voltage (Voc)	49.42V	46.65V	49.52V	46.74V	49.62V	46.84V	49.72V	46.93V	49.82V	47.02V
Short-circuit Current (Isc)	13.85A	11.19A	13.94A	11.26A	14.03A	11.33A	14.12A	11.40A	14.21A	11.48A
Module Efficiency STC (%)	20.90%		21.10%		21.29%		21.48%		21.68%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC:Irradiance1000W/m²,Cell Temperature 25°C,AM=1.5.
NOCT:Irradiance800W/m²,Ambient Temperature 20°C,AM=1.5,Wind Speed 1m/s.
Specifications included in this datasheet are subject to change without notice.