



540-560Watt
144cells
182 P- Type
Mono-Facial Module

- SJ-M144P-540
- SJ-M144P-545
- SJ-M144P-550
- SJ-M144P-555
- SJ-M144P-560

Features



MBB Technology

Better light trapping and current collection to improve module power output and reliability.



Hot 2.0 Technology

The P-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



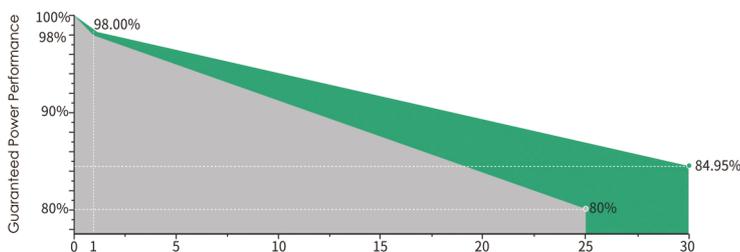
Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



25 Year

Linear Power Warranty



10 Year

Product Warranty

OFFICE IN CHINA

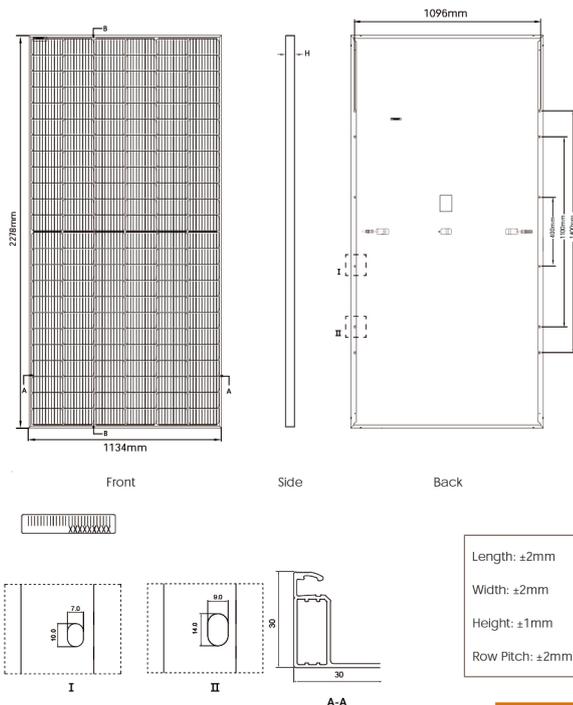
Hangzhou Saintish Technology Co., Ltd.
 7F, Science and Innovation Building, Qingshanhu, Hangzhou
 Tel: +86 571 6385 0363
 Email: sales@saintishtech.com
 www.saintishtech.com

AUSTRALIAN R&D AND CUSTOMER SERVICE CENTER

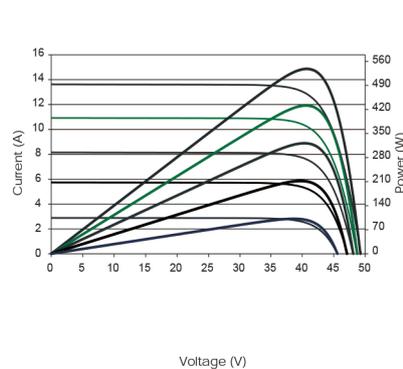
Zeus Appollo Solar
 QLD office: 32 Crockford Street, Banyo, QLD4014
 WA office: U5/30 Adams Drive, Welshpool, WA 6106
 Tel: +61 73123 6148(QLD) +61 8 6311 9906(WA)
 Email: sales@zeusappollosolar.com.au
 www.zeusappollo.com

MODEL	SJ-M144P-540		SJ-M144P-545		SJ-M144P-550		SJ-M144P-555		SJ-M144P-560	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
SPECIFICATIONS										
Max. Power (Pmax)	540Wp 402Wp		545Wp 405Wp		550Wp 409Wp		555Wp 413Wp		560Wp 417Wp	
Max. Power Voltage (Vmp)	41.64V 38.08V		41.80V 38.25V		41.96V 38.42V		42.12V 38.59V		42.28V 38.69V	
Max. Power Current (Imp)	12.97A 10.55A		13.04A 10.60A		13.11A 10.65A		13.18A 10.70A		13.25A 10.77A	
Open-circuit Voltage (Voc)	49.60V 46.65V		49.75V 46.74V		49.90V 46.84V		50.05V 46.93V		50.20V 47.02V	
Short-circuit Current(Isc)	13.93A 11.19A		14.00A 11.26A		14.07A 11.33A		14.14A 11.40A		14.21A 11.48A	
Module Efficiency STC (%)	20.90%		21.10%		21.32%		21.50%		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 operatingcell temperature (NOCT)	45±2°C									
MECHANICAL CHARACTERISTICS										
Cell Type	P type Mono-crystalline									
No. of cells	144(6×24)									
Dimensions	2278x1134x35mm									
Weight	28.0kg									
Front Glass	3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass									
Frame	Anodized Aluminium Alloy									
Junction Box	IP68 Rated									
Output Cables	TUV 1x4.0mm ² (+): 300mm ² (-): 300mm or Customized Length									
Packaging Configuration	31pcs/pallets, 30pallets/stack,720pcs/40'HQ Container									

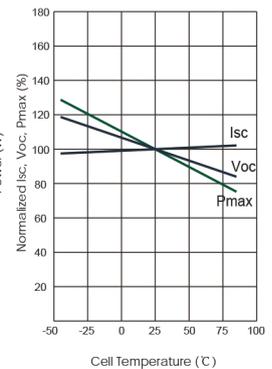
*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5
 NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s



Current-Voltage & Power-Voltage Curves (545W)



Temperature Dependence of Isc, Voc, Pmax



OFFICE IN CHINA
 Hangzhou Saintish Technology Co., Ltd.
 7F, Science and Innovation Building, Qingshanhu, Hangzhou
 Tel: +86 571 6385 0363
 Email: sales@saintishotech.com
 www.saintishotech.com

AUSTRALIAN R&D AND CUSTOMER SERVICE CENTER
 Zeus Appollo Solar
 QLD office: 32 Crockford Street, Banyo, QLD4014
 WA office: U5/30 Adams Drive, Welshpool, WA 6106
 Tel: +61 73123 6148(QLD) +61 8 6311 9906(WA)
 Email: sales@zeusappollosolar.com.au
 www.zeusappollo.com