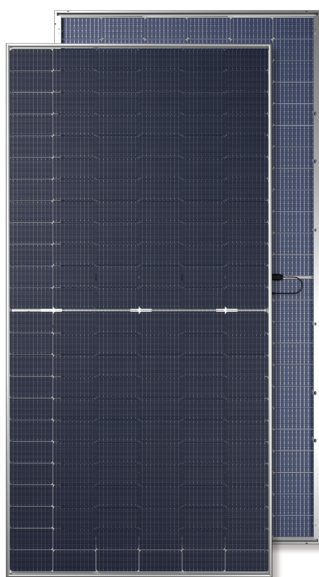


JT SSh(B) 535-555W

Dual-glass Monocrystalline Solar Module

144 Cells / MBB / Bifacial Mono PERC / 1500V DC / 21.5% Maximum Efficiency



KEY FEATURES



Ultra-high power output

MBB mono PERC cell technology, maximum power output 555W
Half-cut cell layout, lower Rs loss and thermal coefficients
Bifacial cell, additional 5%-30% more yield



Ultra-high reliability

Dual-glass design with POE encapsulant, no PID risk
100% EL double inspection, stringent internal quality control



Excellent low light performance

Excellent low light performance on cloudy days
mornings and evenings



Certified to withstand the most challenging environment

2400 Pa wind load • 5400 Pa snow load • 25 mm hail stones at 82 km/h



High system voltage Compatible

Maximum 1500V DC system voltage saves total system cost



High fire class

Fire class C certified, minimize the fire risk of the system

QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730, IEC 62941
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety

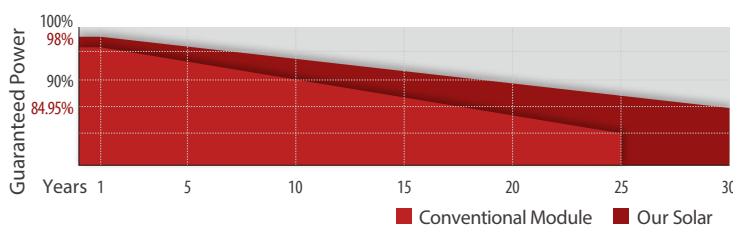
WARRANTY



Product
Warranty



Performance
Warranty

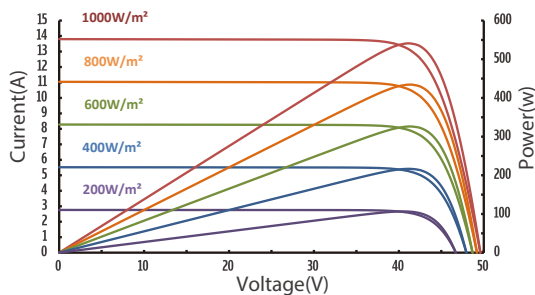


Wuxi ALP Technology Co., Ltd

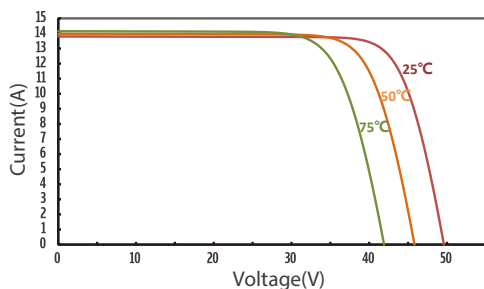
Add: No.2610, Building 8, 3rd Financial Street, Binhu District, Wuxi, China
Email: evanzhang@ks-alp.com
Web: www.wx-alp.com
TEL/Wechat: +86 13621950365
WhatsApp: +86 18851503628

IV CURVES

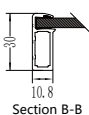
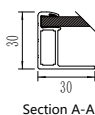
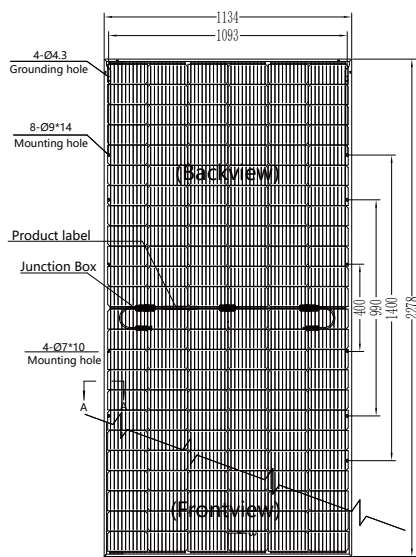
IV Curves of JT540SSh(B) at different irradiances



IV Curves of JT540SSh(B) at different Temp



DIMENSION



Tolerance
Length: $\pm 2\text{mm}$
Width: $\pm 2\text{mm}$

Remarks

ELECTRICAL DATA

TYPE (Tolerance: 0 ~ +5W)	JT535SSh(B)		JT540SSh(B)		JT545SSh(B)		JT550SSh(B)		JT555SSh(B)	
Test Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power Pmax (W)	535	399.25	540	403.26	545	407.29	550	411.34	555	415.40
Maximum Power Voltage Vmp (V)	41.5	38.8	41.7	39.0	41.9	39.2	42.1	39.4	42.3	39.6
Maximum Power Current Imp (A)	12.90	10.29	12.95	10.34	13.01	10.39	13.07	10.44	13.13	10.49
Open Circuit Voltage Voc (V)	49.8	46.4	50.0	46.6	50.2	46.8	50.4	47.0	50.6	47.2
Short Circuit Current Isc (A)	13.75	11.08	13.80	11.12	13.86	11.16	13.92	11.2	13.98	11.24
Module Efficiency (%)	20.7%		20.9%		21.1%		21.3%		21.5%	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Measuring tolerance: $\pm 3\%$

REAR SIDE POWER GAIN (JT540SSh(B))

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power - Pmax (W)	567	594	621	648	675	702
Maximum Power Voltage -Vmp (V)	41.70	41.70	41.70	41.80	41.80	41.80
Maximum Power Current -Imp (A)	13.60	14.25	14.90	15.51	16.15	16.79
Open Circuit Voltage -Voc (V)	49.60	49.60	49.60	49.70	49.70	49.70
Short Circuit Current -Isc (A)	14.45	15.10	15.75	16.36	17.00	17.64

TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.048%/°C
Temperature Coefficient of Voc (βVoc)	-0.27%/°C
Temperature Coefficient of Pmax (γPmp)	-0.35%/°C
Normal Module Operating Temperature (NMOT)	41°C $\pm$ 3°C

OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	25A
Maximum Test Load, Push/Pull	5400Pa/2400Pa
Conductivity at Ground	$\leq 0.1\Omega$
Safety Class	II
Resistance	$\geq 100M\Omega$
Voc and Isc Tolerance	$\pm 2\%/\pm 3\%$
Bifaciality	70 $\pm$ 5%

MECHANICAL DATA

Solar Cell Type	Mono 91 $\times$ 182 mm(3.6 $\times$ 7.2 inches)
Number of Cells	144 [2 x (12 x 6)]
Module Dimensions	2278 $\times$ 1134 $\times$ 30 mm(89.7 $\times$ 44.6 $\times$ 1.2 inches)
Weight	32 kg(70.5 lb)
Front Cover	High transmission, AR coated tempered glass, 2.0mm
Back Cover	High transmission, Tempered, White Grid Glass/AR coating(optional), 2.0mm
Frame	Silver, anodized aluminium alloy
J-Box	$\geq$ IP68
Cable	4.0 mm ² solar cable, 400mm(+)/200mm(-)
Number of diodes	3

PACKAGING CONFIGURATION

Module per pallet	36 pieces
Module per 40'HQ container	20 pallets, 720 pieces