



G2.3

JST395-415M(144)

144 CELL

Mono PERC Module

395-415Wp

Power Output Range

1500VDC

Maximum System Voltage

20.7%

Maximum Efficiency

KEY SALIENT FEATURES



Industry leading lowest thermal co-efficient of power



Industry leading 12 years product warranty



Excellent low irradiance performance



Excellent PID resistance



Positive tight power tolerance



Dual stage 100% EL Inspection warranting defect-free product



Module Imp binning radically reduces string mismatch losses



Warranted reliability and stringent quality assurances well beyond certified requirements



Certified to withstand severe environmental conditions

- ♦ Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
- ♦ Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
- ♦ Excellent mechanical load 2400Pa & snow load 5400Pa resistance



JUST SOLAR CO., LIMITED

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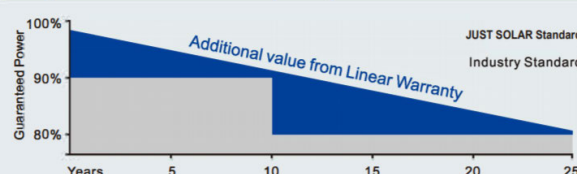
Tel: +86 021 3988 5115

E-mail: sales@jusolar.com

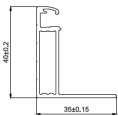
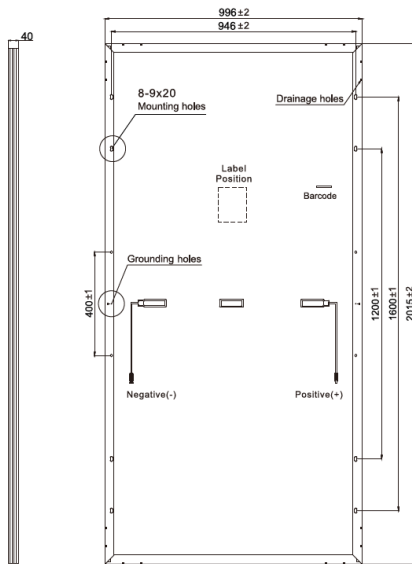
Website: www.jusolar.com

LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty

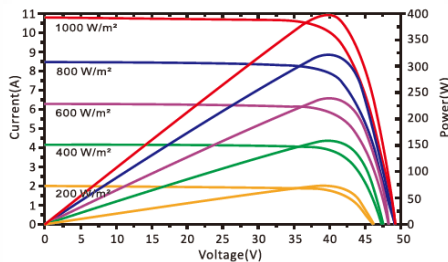


Dimensions of PV Module Unit:mm



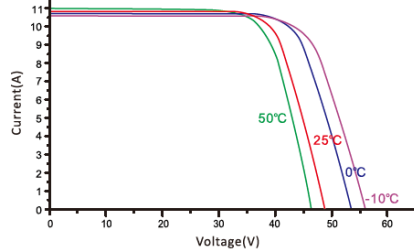
JST400M

1V characteristics at different irradiances



1V characteristics at different temperatures

(AM1.5, 1000W/m²)



Our Partners:

ELECTRICAL DATA (STC)

Model Number	JST395M	JST400M	JST405M	JST410M	JST415M
Rated Power in Watts-Pmax(Wp)	395	400	405	410	415
Open Circuit Voltage-Voc(V)	48.45	48.60	48.75	48.90	49.00
Short Circuit Current-Isc(A)	10.40	10.50	10.60	10.70	10.80
Maximum Power Voltage-Vmpp(V)	40.35	40.45	40.55	40.65	40.70
Maximum Power Current-Impp(A)	9.80	9.90	10.00	10.10	10.20
Module Efficiency (%) *	19.7	19.9	20.2	20.4	20.7

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

*Module Efficiency(%): Round-off to the nearest number

ELECTRICAL DATA (NMOT)

Model Number	JST395M	JST400M	JST405M	JST410M	JST415M
Maximum Power-Pmax (Wp)	295.6	299.3	303.1	306.9	309.2
Open Circuit Voltage-Voc (V)	44.60	44.70	44.90	44.99	45.63
Short Circuit Current-Isc (A)	8.53	8.61	8.69	8.77	8.80
Maximum Power Voltage-Vmpp (V)	37.00	37.05	37.14	37.24	37.30
Maximum Power Current-Impp (A)	8.00	8.08	8.16	8.24	8.29

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

MECHANICAL DATA

Solar cells	Monocrystalline, 9BB
Cell configuration	144 cells (6x12+6x12)
Module dimensions	2015x996x40mm
Weight	23kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm² (12AWG), Positive(+)270mm, Negative(-)270mm
Connector	Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C ±2°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.37%/°C
Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft	20ft
Number of modules per container	594	270
Number of modules per pallet	27	27
Number of pallets per container	22	10
Packaging box dimensions (LxWxH) in mm	2040x1130x1130	2040x1130x1130
Box gross weight[kg]	670	670

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
Specifications included in this datasheet are subject to change without notice.