

JCSM160 Products – Mono cristallin

Electrical Data

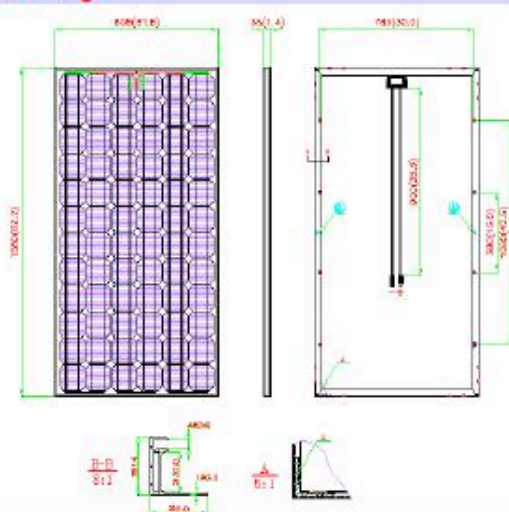
Model	Maximum Power at STC (Pmax)	Efficiency of cell	Efficiency of module	Optimum Operating Current (Imp)	Optimum Operating Voltage (Vmp)	Short circuit Current (Isc)	Open circuit Voltage (Voc)
JCSM-160D	160W	≧ 15.42%	12.53%	4.57A	35.0V	4.95A	43.7V
JCSM-165D	165W	≧ 15.90%	12.92%	4.66A	35.4V	5.05A	44.0V
JCSM-170D	170W	≧ 16.38%	13.32%	4.78A	35.6V	5.15A	44.4V
JCSM-175D	175W	≧ 16.86%	13.71%	4.89A	35.8V	5.23A	44.7V
JCSM-180D	180W	≧ 17.35%	14.10%	5.00A	36.0V	5.32A	44.8V
JCSM-185D	185W	≧ 17.83%	14.50%	5.08A	36.4V	5.43A	45.0V
JCSM-190D	190W	≧ 18.31%	14.88%	5.16A	36.8V	5.53A	45.2V
Operating Temperature				-40~+85 °C			
Maximum System Voltage				1000V (IEC) / 600V (UL)			
Maximum Series Fuse Rating				15A			
Hail Diameter @ 80Km/h				Up to 25 mm			
Continuous Wind Pressure				Up to 24 m/s			
Power Tolerance				±3%			
Temperature Coefficient				Voc	-0.33%/°C		
				Isc	0.04%/°C		
				Pmax	-0.47%/°C		
				NOCT	45°C		

Under Standard Test Conditions (STC) of irradiance 1000W/m², 1.5 Air Mass Spectrum, cell temperature of 25°C

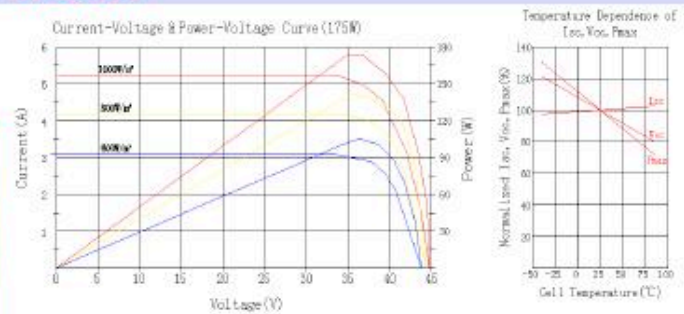
Mechanical Data

Solar Cell	Mono-crystalline 125mmx125mm(5inchx5inch)
Number of cells	72(6x12)
Dimensions	1580x808x35mm (62.2x31.8x1.4inch)
Weight	16Kg (35.3lbs)
Front glass	3.2mm (0.1inch) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65 rated
Standard Packaging per Pallet	26pcs, 1600x1100x950mm (63.0x43.3x37.4inch)

Drawings



I-V Curves



JCSM210 Series – Mono cristallin

Electrical Data

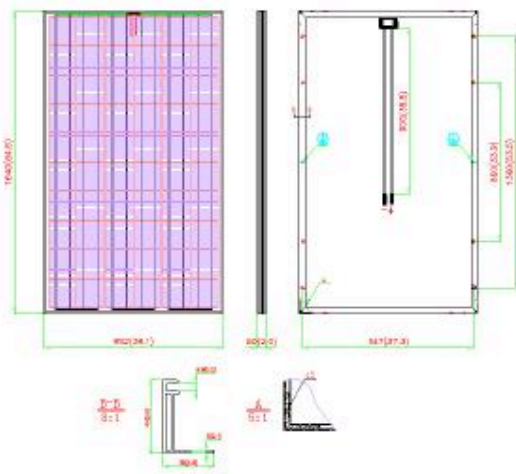
Model	Maximum Power at STC (Pmax)	Efficiency of cell	Efficiency of module	Optimum Operating Current (Imp)	Optimum Operating Voltage (Vmp)	Short circuit Current (Isc)	Open circuit Voltage (Voc)
JCSM-210D	210W	≧ 15.10%	12.91%	7.42A	28.3V	7.53A	37.9V
JCSM-215D	215W	≧ 15.46%	13.21%	7.54A	28.5V	7.67A	38.0V
JCSM-220D	220W	≧ 15.82%	13.52%	7.67A	28.7V	7.80A	38.1V
JCSM-225D	225W	≧ 16.18%	13.83%	7.79A	28.9V	7.92A	38.2V
JCSM-230D	230W	≧ 16.54%	14.14%	7.90A	29.1V	8.03A	38.3V
JCSM-235D	235W	≧ 16.90%	14.44%	8.02A	29.3V	8.17A	38.4V
JCSM-240D	240W	≧ 17.26%	14.75%	8.11A	29.6V	8.32A	38.4V
Operating Temperature				-40~+85 °C			
Maximum System Voltage				1000V (IEC) / 600V (UL)			
Maximum Series Fuse Rating				20A			
Hail Diameter @ 80Km/h				Up to 25 mm			
Continuous Wind Pressure				Up to 24 m/s			
Power Tolerance				±3%			
Temperature Coefficient			Voc	-0.36%/°C			
			Isc	0.03%/°C			
			Pmax	-0.53%/°C			
			NOCT	45°C			

Under Standard Test Conditions (STC) of irradiance 1000W/m², 1.5 Air Mass Spectrum, cell temperature of 25°C

Mechanical Data

Solar Cell	Mono-crystalline 156mmx156mm(6inchx6inch)
Number of cells	60(6x10)
Dimensions	1640x992x50mm (64.6x39.1x2.0inch)
Weight	23Kg (50.7lbs)
Front glass	4mm (0.2inch) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65 rated
Standard Packaging per Pallet	20pcs, 1660x1100x1130mm (65.4x43.3x44.5inch)

Drawings



I-V Curves

