

Cotech Solar Monocrystalline Silicon Modules CS6M18-180-220W

Features

- ✦ Low voltage-temperature coefficient allows higher power output at high-temperature condition.
- ✦ High conversion efficiency, High reliability with guaranteed $\pm 3\%$ power output tolerance, ensuring return on investment
- ✦ Withstands high wind-pressure and snow load (passed IEC 5400Pa mechanical loading test), and extreme temperature variation.
- ✦ Custom design with wide power selection down to 5W

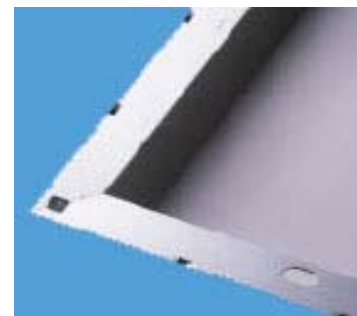
Quality and Safety

- ✦ 5 years workmanship warranty, 12 years 90% power output, 25 years 80% power output
- ✦ Rigorous quality control meeting the highest international standards ISO 9001:2000 and ISO 14001:2004 certified factories manufacturing world class products
- ✦ CE, IEC61215, IEC61730, TUV, VDE and UL1703

Materials

- ✦ Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation
- ✦ The sturdy, anodized aluminum frame allows the modules to be mounted on a variety of standard racking systems and to withstand harshest conditions
- ✦ Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells
- ✦ Innovative, environmentally friendly packing method using pile-edges ensures modules arrive in perfect condition
- ✦ New frame design incorporating drainage holes, with more grounding holes, provide flexible installation and use

CS6M18-180 CS6M18-190
CS6M18-200 CS6M18-210
CS6M18-220



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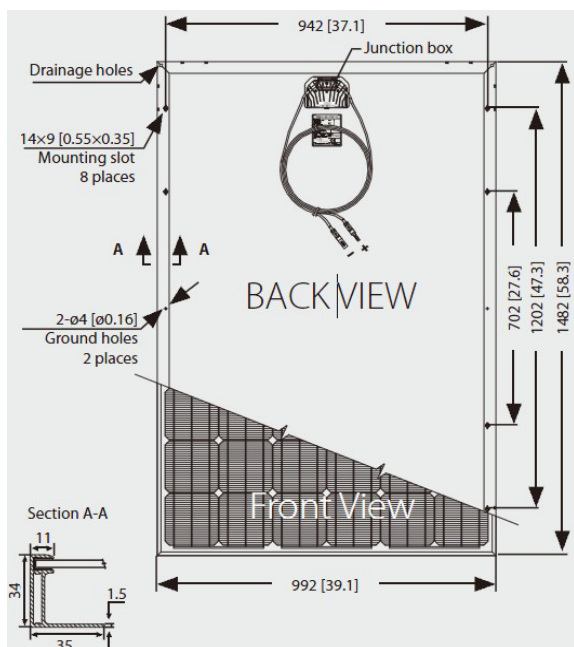
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Electrical Characteristics

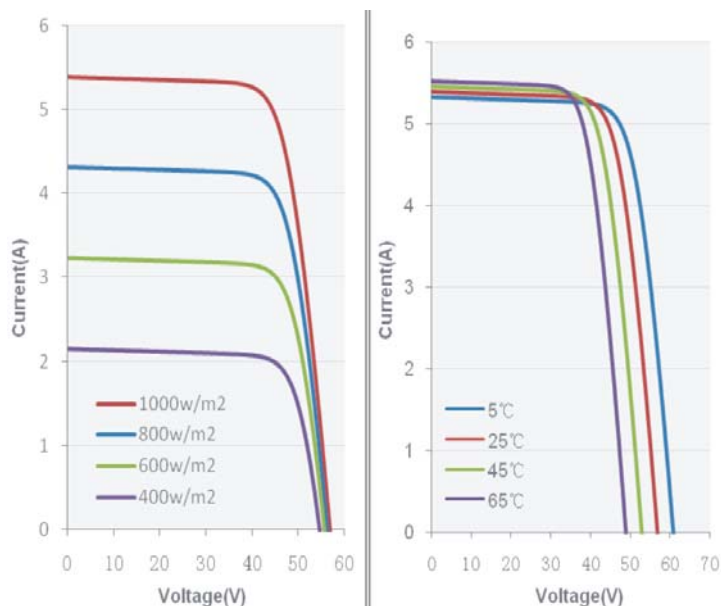
Type	CS6M18-180	CS6M18-190	CS6M18-200	CS6M18-210	CS6M18-220
Nominal Maximum Power (Pmax)	180W	190W	200W	210W	220W
Optimum Operating Voltage (Vmp)	26.0V	26.2V	26.3V	26.5V	26.7V
Optimum Operating Current (Imp)	6.92A	7.25A	7.63A	7.95A	8.24A
Open Circuit Voltage (Voc)	33.0V	33.2V	33.4V	34.6V	33.6V
Short Circuit (Isc)	7.60A	7.84A	8.11A	8.32A	8.58A
Maximum Series Fuse Rating	15A				
Dimensions	1482×992×45mm				
Weight	17.0kg				
Operating Temperature	-40 °C ~+85 °C				
Maximum System Voltage	1,000V (IEC) /600V (UL)				
Power Tolerance	±3%				
Temp. Coeff. of Pmax (TK Pmax)	-0.45°C				
Temp. Coeff. of Voc (TK Voc)	-0.35 %/°C				
Temp. Coeff. of Isc (TK Isc)	0.060 %/°C				
Nominal Operating Cell Temp.	45°C				
Cell Type and Arrangement	Monocrystalline Silicon, 156mm x 156mm, 54pcs(6x9) in series				
Glass ,Type and Thickness	High Transmission ,Low Iron, Tempered Glass 3.2mm				

Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25

Module Diagram



I-V Curves-CS6M18-210W



Brief Introduction

Cotech Solar is one of the few large-scale solar companies in China, designs, manufactures and sells solar modules and designs, assembles, sells and installs solar systems. The annual production capability of solar modules is more than 120MW and have passed UL,TUV, IEC, VDE and CE certification.