



50 W Maximum Power

High Efficiency Monocrystalline Solar Module

BENEFITS

- High and stable conversion efficiency based on over 15 years professional experience
- High reliability with guaranteed 0+3 % output power tolerance
- Proven materials, tempered front glass and a sturdy anodized aluminum frame allow modules to operate reliably in multiple mountly configuration
- Combination of high efficiency and attractive appearance

QUALITY AND SAFETY

- 12 years product warranty,25 years output power warranty
- ISO9001: 2008 (Quality Management System) certified factory
- IEC 61215, Safety tested IEC 61730, CE
- Product Liability Insurance guarantee end users' benefit
- Hail impact: 277 g steel ball falling from 1 m height, 60 m/s wind speed
increased snow load according to IEC 61215: up to 5400 N/m²
wind load and suction according to IEC 61215: up to 2400 N/m²



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Temperature Coefficients

NOCT	45 +/-2 °C
Voltage temperature coefficient(Voc)	-0.29%/°C
Current temperature coefficient(Isc)	+0.05%/ °C
Power temperature coefficient(Pmpp)	-0.39%/°C
Minimum power tolerance	0+3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

Mechanical Data

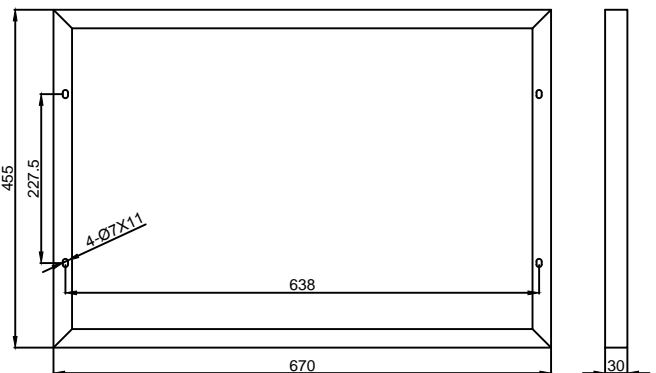
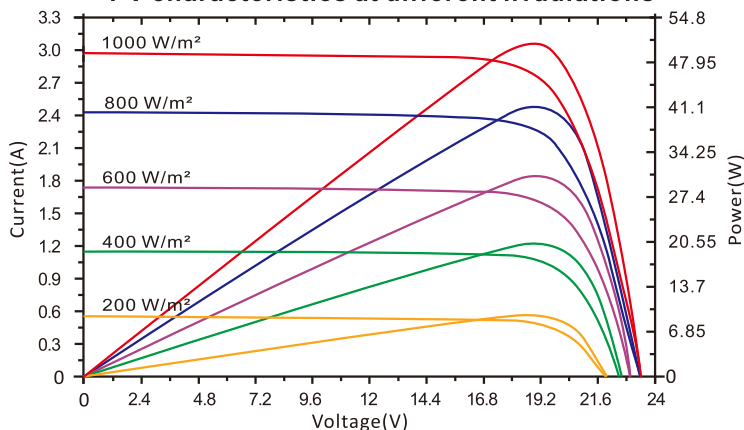
Solar Cell	36(4*9)Mono-crystalline 156.75×43.54mm 5BB
Front Glass	3.2mm High Transmission,Low Iron, Tempered ARC Glass
Junction Box	IP67 Rated
Frame	Anodized Aluminium Alloy type 6063T5
Weight	3.2Kg
Dimension	455x670x25mm

Electrical Data

Module Type	SL 050-12M
Nominal peak power(Wp)	50W
Nominal voltage(Vmp)	18.6V
Nominal current(Imp)	2.69A
Open circuit voltage(Voc)	22.8V
Short circuit current(Isc)	2.89A
Module efficiency	16.4%
Operating Temperatere	-40 to +85°C
Maximum System Voltage	1000V DC

STC:1000W/m², 25°C, AM=1.5

I-V characteristics at different irradiances



CAUTION:Read Safety And Installation.Instructions Before Using The Product. Go to www.sunlink-pv.com

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