

X-SOLAR 7AH

STAND ALONE PV SYSTEM FOR IOT SENSOR AND DEVICES

QUICK START



MECHANICAL DRAWING



MADE IN GERMANY

2year Warranty

CE FC

Solar Panel



X-Solar



Your IOT Device



20W / 50W

4VDC / 5VDC / 12VDC

TECHNICAL SPECIFICATIONS

PRODUCT REFERENCE

X-SOL-7AH-SLP-1CH-VOUT-CL

SLP- Solar Panel Power 20W (adapted to countries with very High level of solar Irradiance : Africa / South Asia / South America)	CL- Cable length between X-solar box and solar panel 5M : 5 METERS
50W (adapted to countries with High level of solar Irradiance : South of Europe / South USA)	
No Solar panel	
VOUT - Voltage Output 4VDC : 1 channel with 4VDC output 12VDC : 1 channel with 12VDC output 5VDC : 1 channel with 5VDC output	

SOLAR PANEL SPECIFICATIONS

Maximum Power (Pmax)	High efficiency Monocrystalline solar cell technology
Max Energy efficiency	20.4%
Maximum Power (Pmax)	20W, or 50W
Voltage at Pmax	17.8VDC
Current at Pmax	1.12A(20W), 2.8A(50W)
Operating Temperature	-40°C to +85°C
Dimensions and Weight (20W version)	345mm x 370mm x 25mm, 2 kg weight
Dimensions and Weight (50W version)	662 x 460 x 35mm, 4 kg weight
Connector Type	M12-4pins Male , A-Coding
IP Rating	Waterproof IP67 NEMA 6
Cable length	5 meters
Mounting method	Screw mounting

CHARGING CONTROLLER BOX SPECIFICATIONS

Charging controller type	Solar charging controller with Overvoltage/Undervoltage protection
Input voltage solar cell panel	14-30VDC
Connector Types	1 x M8-3Pins Female A-Coding for sensors power 1 x M12-4Pins Female A-Coding for Solar panel
Number of output voltage	1
Output Voltage	4VDC 12VDC 5VDC
Max Input current	10A
Power consumption	< 10mA , Led switch on
Battery Technology	Valve regulated lead acid battery
Battery Capacity	7Ah
Led displays	Battery Full and Charging
Dimensions	260 mm x160 mm x 90 mm
IP Rating	Waterproof IP67 NEMA 6
Weight	4.5 kg
Operating Temperature	-15°C to +50°C

OPTIONAL CABLE ADAPTERS

Molded Cable M8-3 pins to M8-3Pins for X-Solar Box Only, PVC Material
 XSOLAR-CBL-2M for 2 meters of cable length
 XSOLAR-CBL-5M for 5 meters of cable length
 XSOLAR-CBL-10M for 10 meters of cable length

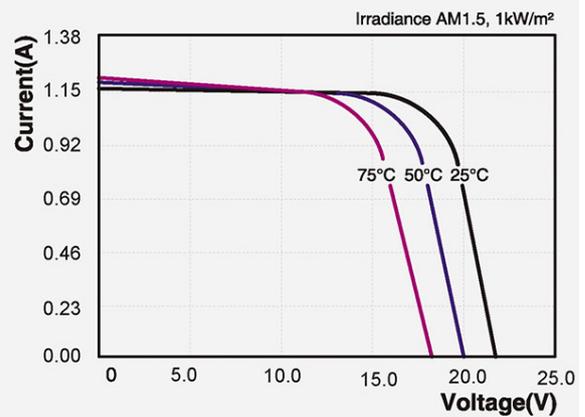
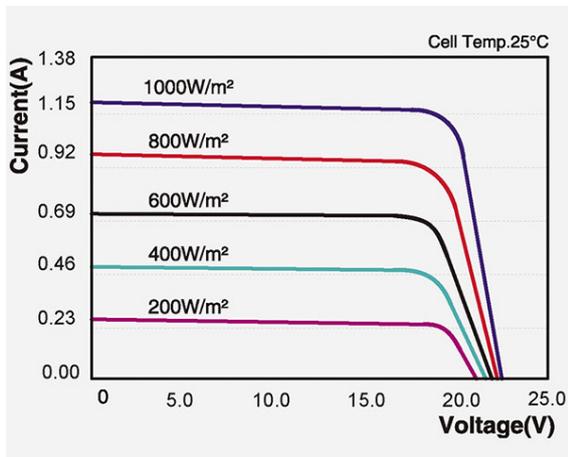
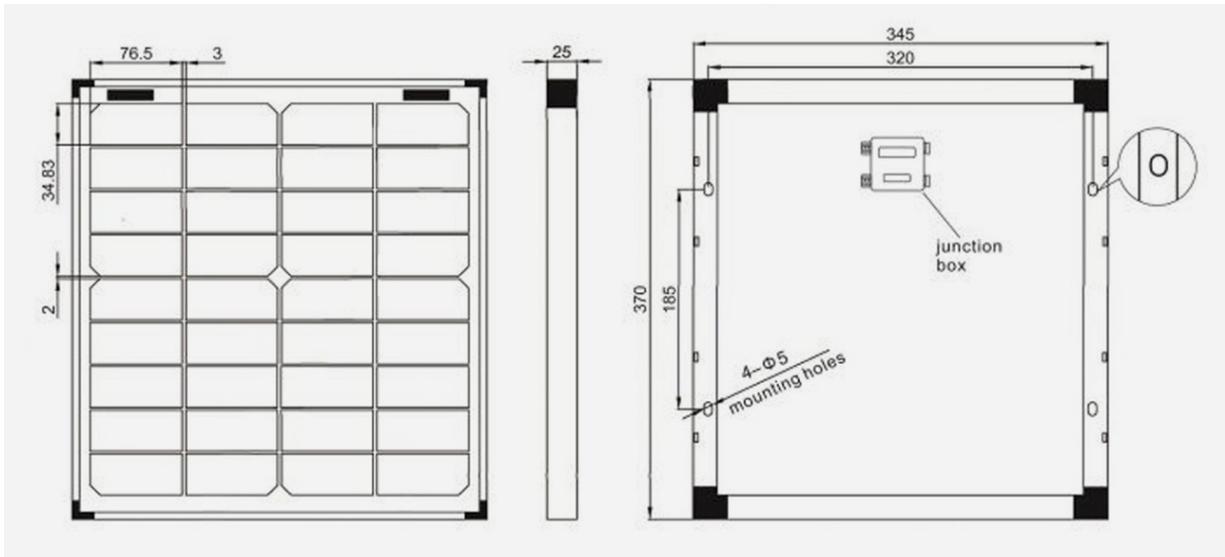
PRODUCT OVERVIEW



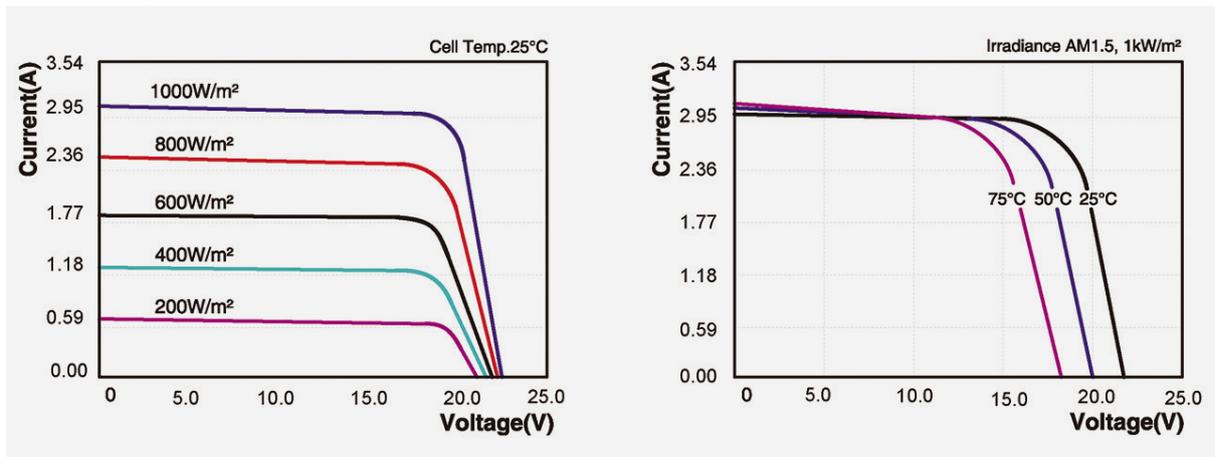
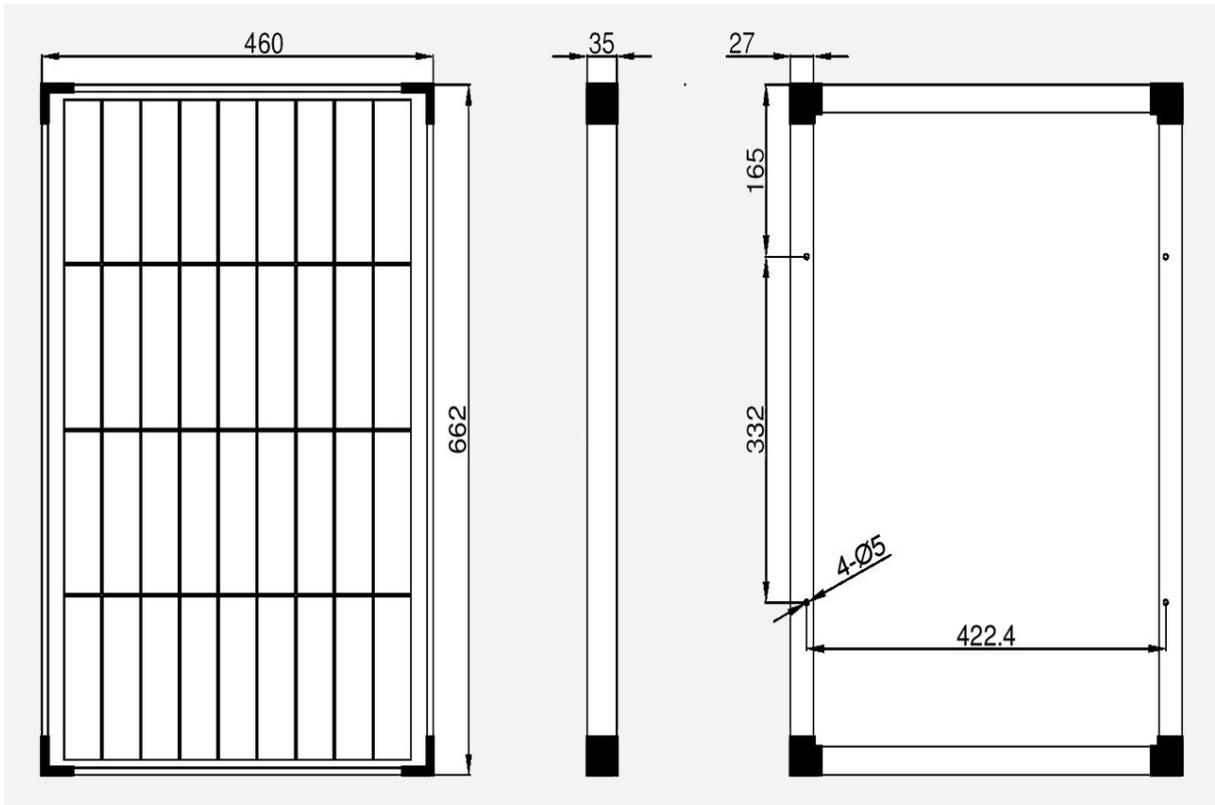
X-Solar

SOLAR PANEL CHARACTERISTICS

X-SOL-7AH-20W-1CH-4V-5M or X-SOL-7AH-20W-1CH-12V-5M



X-SOL-7AH-50W-1CH-4V-5M or X-SOL-7AH-50W-1CH-12V-5M



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