BeanAir

IoT

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

20W / 50W

X-Solar

Your IOT Device

4VDC / 5VDC / 12VDC

X-SOLAR 7AH

PRODUCT REFERENCE

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

SLP- Solar Panel Power	CL– Cable length between X-solar box and solar panel
20W (adapted to countries with very High level of solar Irradiance : Africa / South Asia / South America)	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	

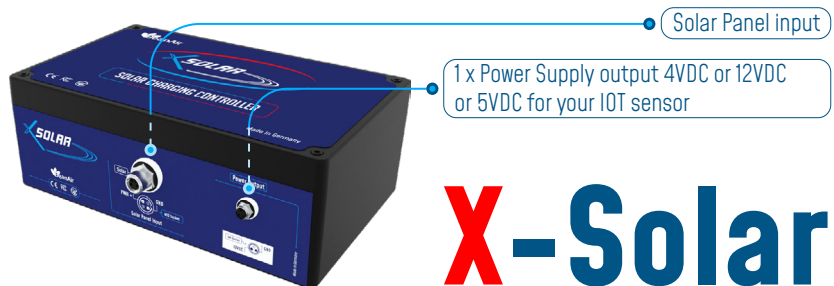| SOLAR PANEL SPECIFICATIONS	
Maximum Power (Pmax)	High effciency Monocrystalline solar cell technology
Max Energy efficiency	20.4%
Maximum Power (Pmax)	20W, or 50W
Voltage at Pmax	17.8VDC
Current at Pmax	1.12A(20W), 2.8A(50W)
Operating Temperature	-40°C to +85°C
Dimensions and Weight (20W version)	345mm 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

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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
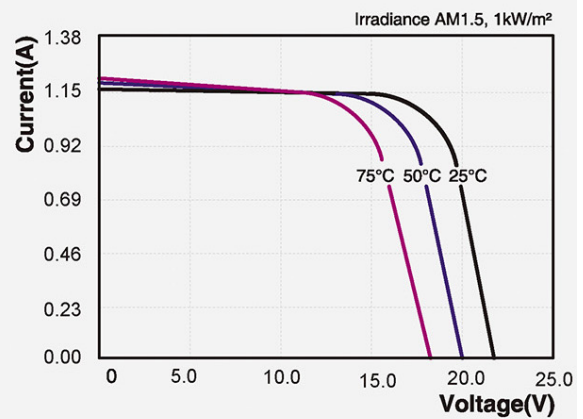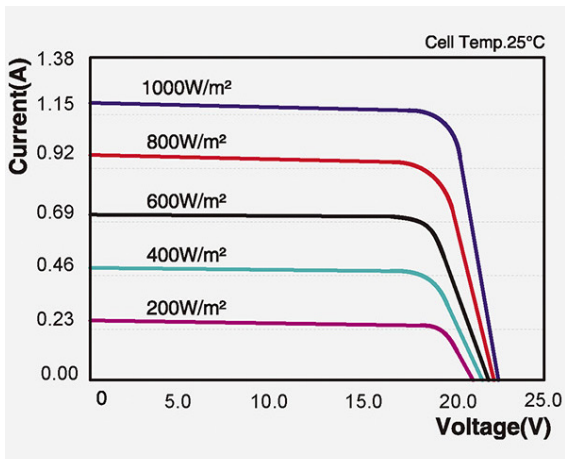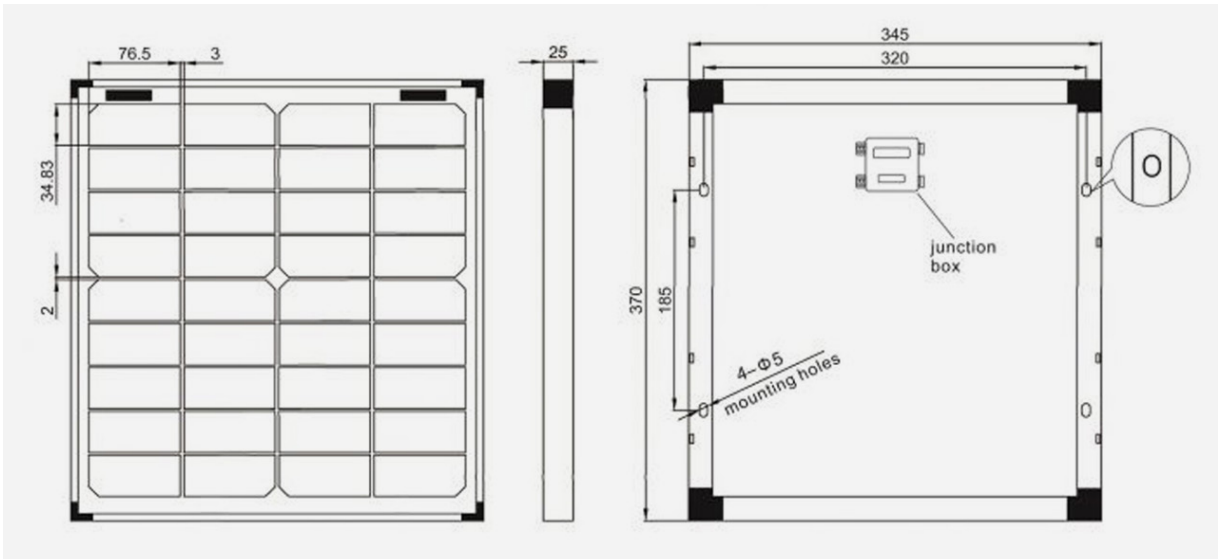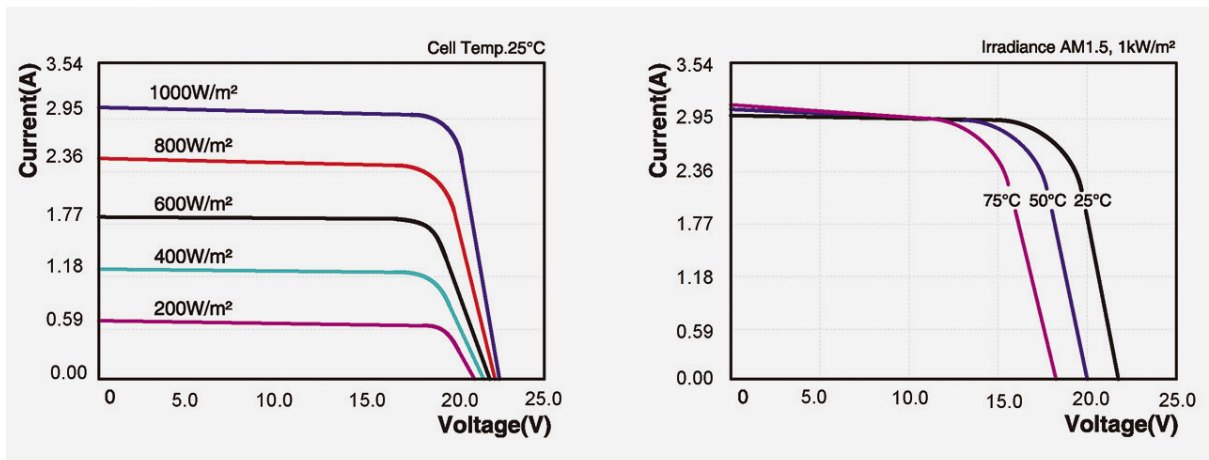XSOLAR-CBL-10M for 10 meters of cable length

PRODUCT OVERVIEW

Solar Panel input

1 x Power Supply output 4VDC or 12VDC or 5VDC for your IOT sensor

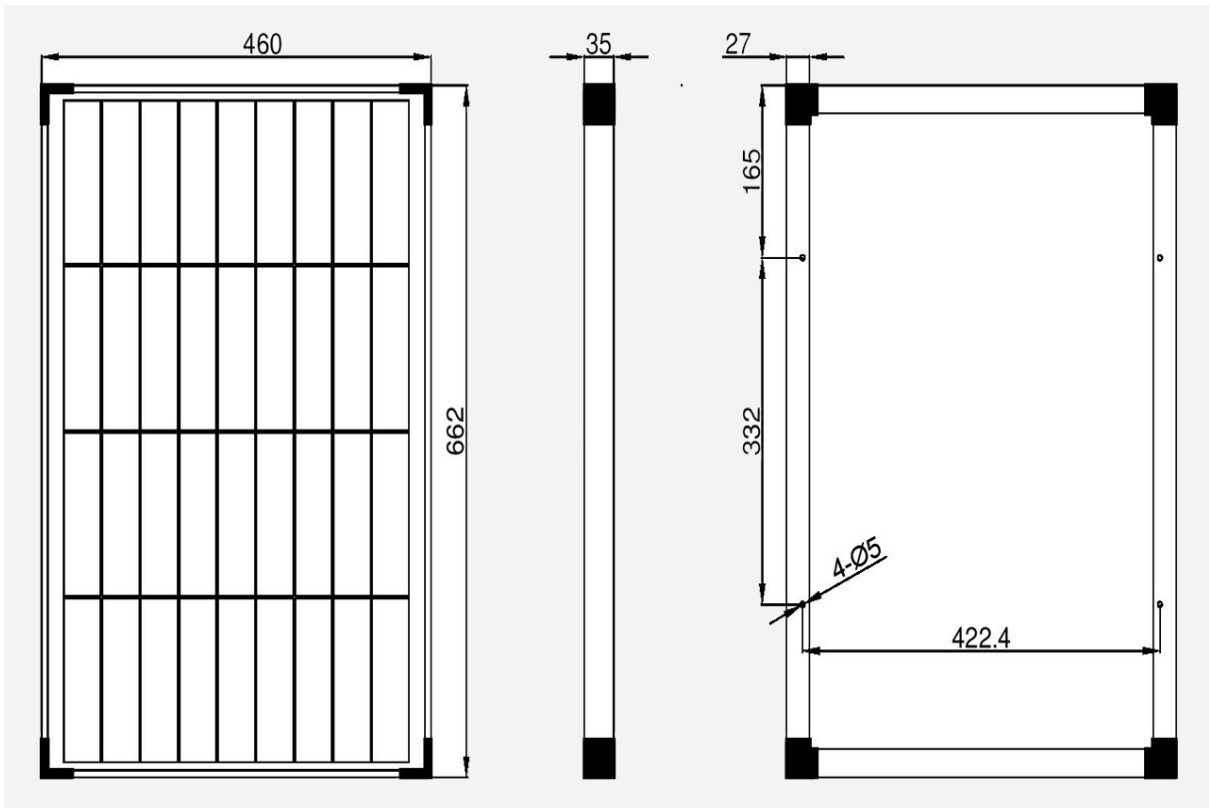X-Solar

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

BeanAir IoT

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Headquarter:
BeanAir GmbH
Wolfener Straße 32 - 34
12681 Berlin

Email:
info@beanair.com

Phone number:
+49 30 98366680

www.beanair.com

SCIENCE GATE
Your Automation Partner

SCIGATE AUTOMATION (S) PTE LTD
No.1 Bukit Batok Street 22 #01-01 Singapore 659592
Tel: (65) 6561 0488   Fax: (65) 6562 0588
Email: sales@scigate.com.sg   Web: www.scigate.com.sg

Business Hours: Monday - Friday 8.30am - 6.15pm