

BeanAir X-SOLAR 7AH

HIGH EFFICIENCY SOLAR PANEL WITH SOLAR CHARGING CONTROLLER AND LEAD-ACID BATTERY

QUICK START



MECHANICAL DRAWING



MADE IN GERMANY

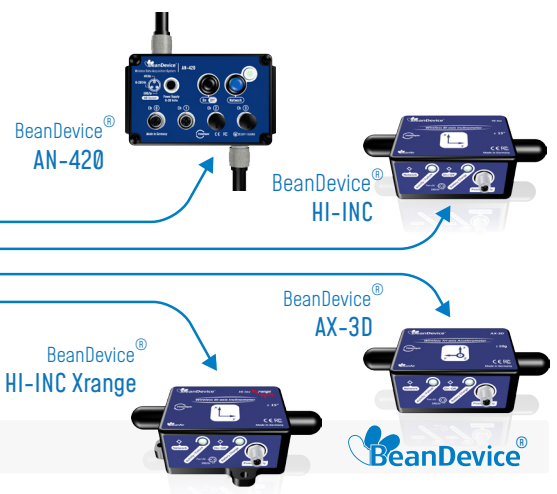
2year Warranty



SOLAR PANEL



X-SOLAR



TECHNICAL SPECIFICATIONS

PRODUCT REFERENCE

X-SOL-7AH-SLP-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)	
VOUT - Voltage Output	
4VDC : 1 channel with 4VDC output (fonly or 2.4GHz sensor series with XT option)	
12VDC : 1 channel with 12VDC output (for 2.4GHz sensor series and wilow sensor series)	
5VDC : 1 channel with 12VDC output (only for wilow sensor series)	
Example 1: X-SOL-7AH-20W-4V-5M: 20W Solar panel, 1 x Power Output with 4VDC and 5 meters cable (only for 2.4GHz sensor series with XT option)	
Example 2: X-SOL-7AH-20W-5V-5M: 20W Solar panel, 1 x Power Output with 5VDC and 5 meters cable (only for Willow sensor series)	

SOLAR PANEL SPECIFICATIONS

Maximum Power (Pmax)	High efficiency Monocrystalline solar cell technology
Max Energy efficiency	20.4%
Maximum Power (Pmax)	20W, 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)	430mm x 345mm x 25mm, 2 kg weight
Dimensions and Weight (50W version)	650 x 505 x 30mm, 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 (only for 2.4GHz sensor series with XT option) 12VDC (only for 2.4GHz sensor series) 5VDC (only for Willow sensor series)
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

For 2.4GHz sensor series	Molded Cable M8-3 pins to M8-3Pins for X-Solar Box Only, PVC Material 2.4GHZ-XSOLAR-CBL-2M for 2 meters of cable length 2.4GHZ-XSOLAR-CBL-5M for 5 meters of cable length 2.4GHZ-XSOLAR-CBL-10M for 10 meters of cable length
For Willow sensor series	Molded Cable M8-6 pins to M8-3Pins for X-Solar Box Only, PVC Material WL-XSOLAR-CBL-2M for 2 meters of cable length WL-XSOLAR-CBL-5M for 5 meters of cable length WL-XSOLAR-CBL-10M for 10 meters of cable length

LIST OF BEANDEVICE® COMPATIBLE WITH X-SOLAR (4VDC)

All the Beandevic coming with -XT extension **Example:** BND-2.4GHZ-HI-INC-15B-XT, BND-2.4GHZ-INC-30B-XT

LIST OF BEANDEVICE® COMPATIBLE WITH X-SOLAR (12VDC)

All the Beandevic® 2.4Ghz coming with internal Rechargeable battery **Example:** BND-2.4GHZ-AX3D-10G-RB
BND-2.4GHZ-HI-INC-15B-XR-RB-SCM

LIST OF BEANDEVICE® COMPATIBLE WITH X-SOLAR (5VDC)

All the Beandevic® Willow® **Example:** BND-WILOW-AX-3D-2G , BND-WILOW-AX-3D-10G,
BND-WILOW-HI-INC-15B, BND-WILOW-X-INC-2G-15B

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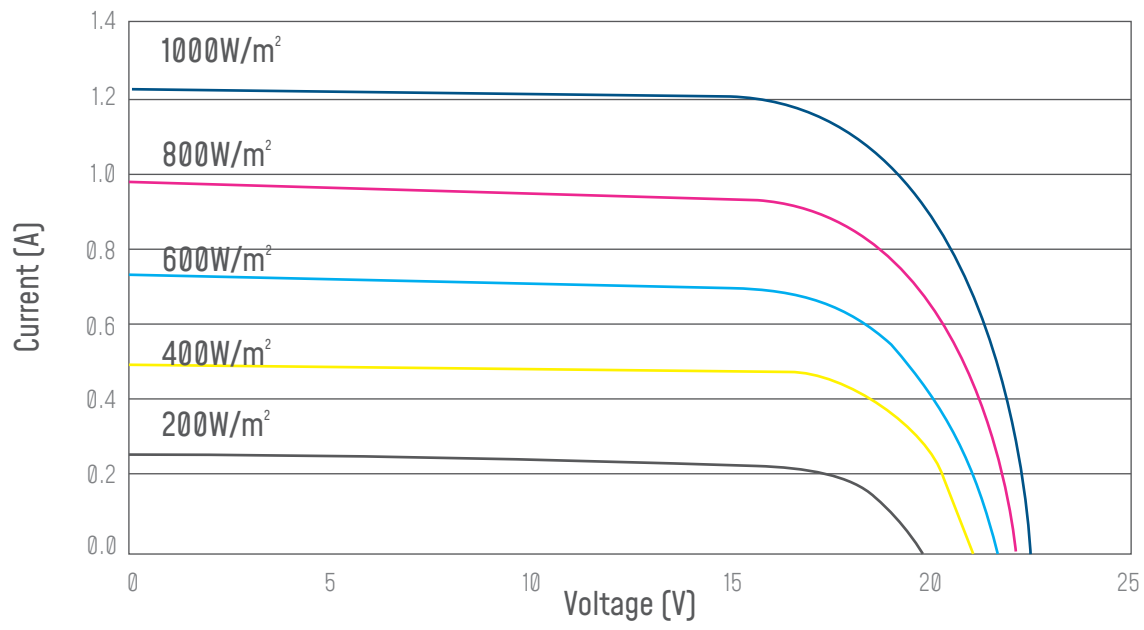
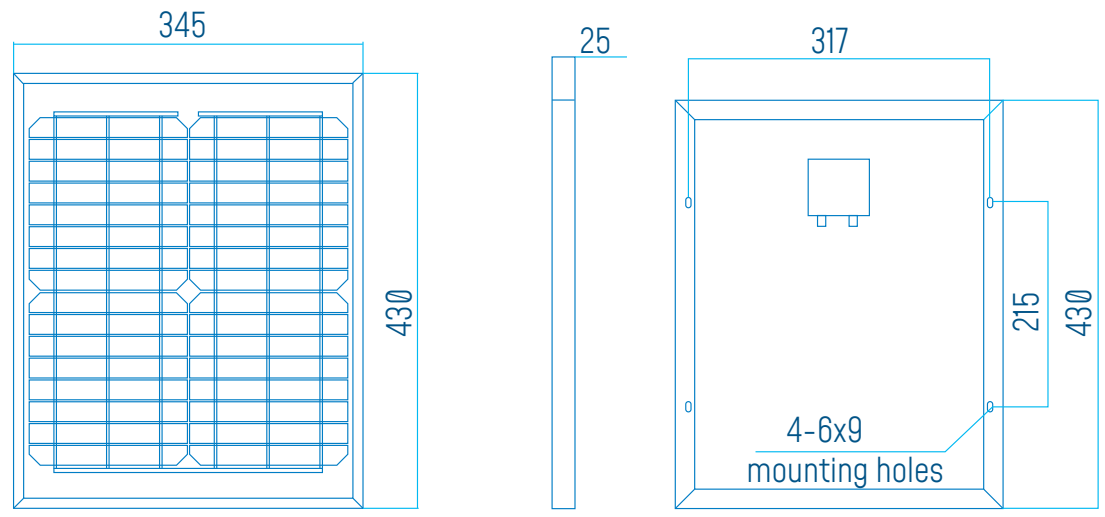
PRODUCT OVERVIEW



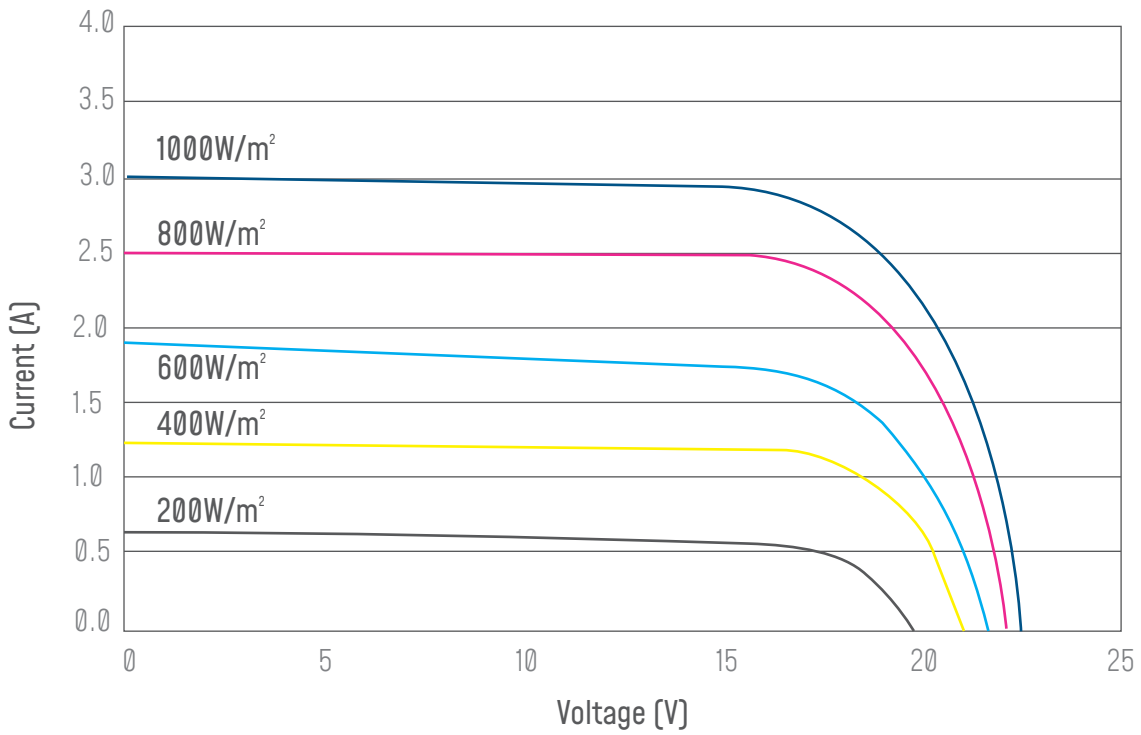
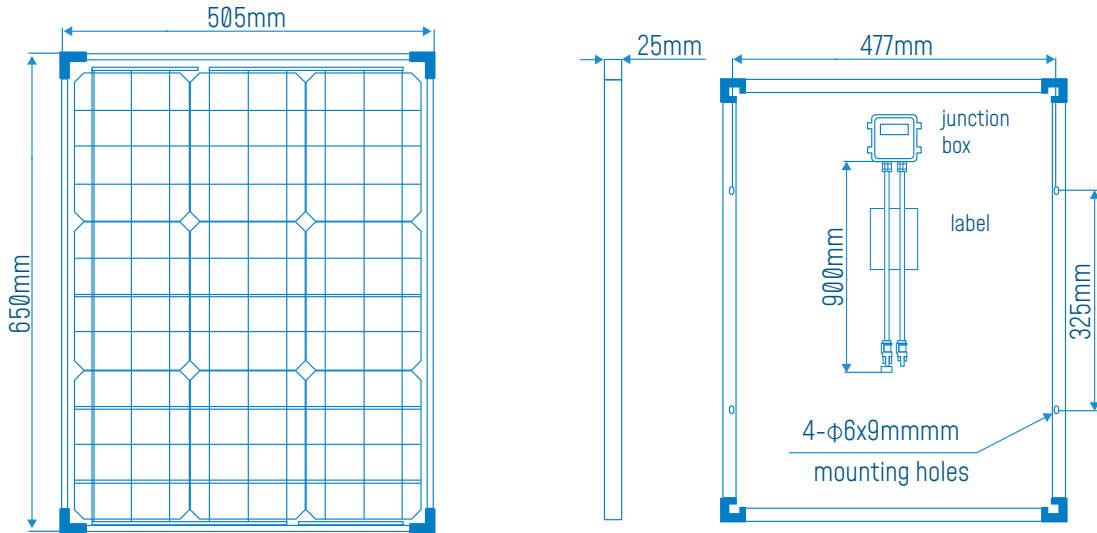
X-Solar

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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