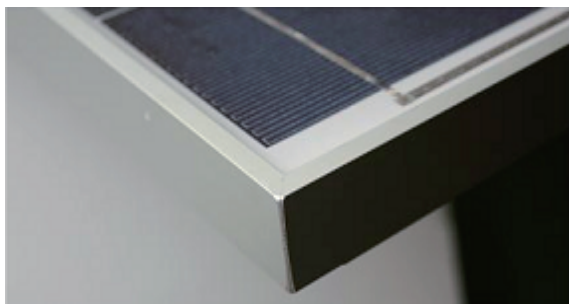
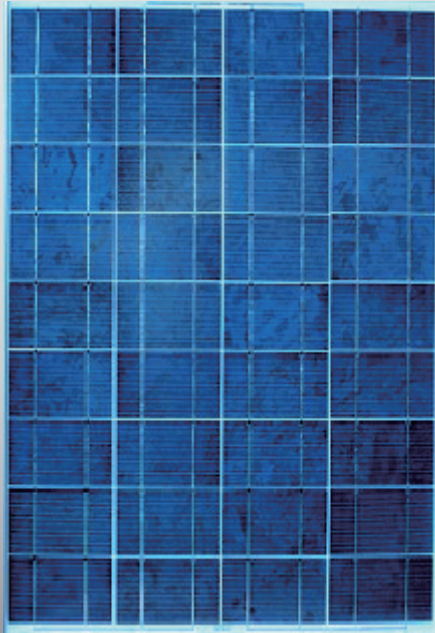


## YL085P-17b 3/5 900x660 SERIES

YL065P-17b 3/5 . YL070P-17b 3/5 . YL075P-17b 3/5  
YL080P-17b 3/5. YL085P-17b 3/5



\* In compliance with our Warranty Terms and Conditions

### ABOUT YINGLI SOLAR

Yingli Solar is a vertically integrated manufacturer of solar photovoltaic modules. Under one roof we manufacture our ingots, wafers, cells and modules. This ensures that we can tightly control our material and production quality, offering our customers leading product durability and sustainable performance backed by our 25 year limited power warranty\*.

### PERFORMANCE

- >> High efficiency, polycrystalline solar cells with high transmission and textured glass delivering a module series efficiency of up to 14.3%, minimising installation costs and maximising the kWh output of your system per unit area.
- >> Power tolerance of +/-5% minimising PV system mismatch losses.

### QUALITY & RELIABILITY

- >> Robust, corrosion resistant aluminium frame independently tested to withstand wind loads of 2.4KPa and snow loads of 5.4KPa ensuring a stable mechanical life for your modules.
- >> Take confidence in our modules with a 5 year limited product warranty and a 25 year limited power warranty\*.
- >> Modules protected by box during transportation and with 20 modules in a box on-site waste is minimised.
- >> Modules independently tested to ensure conformance with certification and regulatory standards.
- >> Manufacturing facility certified to ISO 9001 Quality Management System standards.

### WARRANTIES

5-year limited product warranty\*  
Limited power warranty\*: 10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output

### QUALIFICATIONS AND CERTIFICATES

ISO 9001, CE



# YL085P-17b 3/5 900\*660 SERIES

## ELECTRICAL PARAMETER

Electrical parameters at STC (1,000 W/m<sup>2</sup>, 25°C, AM 1.5)

Module type		YL065 P-17b 3/5	YL070P-17b 3/5	YL075P-17b 3/5	YL080P-17b 3/5	YL085P-17b 3/5
Power output	[W]	65.0	70.0	75.0	80.0	85.0
Power output tolerances	[%]	+/-5	+/-5	+/-5	+/-5	+/-5
Module Efficiency	[%]	10.9	11.8	12.6	13.5	14.3
Voltage at Pmax, V <sub>app</sub>	[V]	17.0	17.0	17.5	17.5	17.5
Current at Pmax, I <sub>mpp</sub>	[A]	3.82	4.21	4.29	4.57	4.86
Open circuit voltage V <sub>oc</sub>	[V]	21.5	22.0	22.0	22.0	22.0
Short circuit current I <sub>sc</sub>	[A]	4.10	4.37	4.66	4.85	5.24
Max. system Voltage	[V]	600 VDC				

### Parameters of the thermal characteristics

NOCT (Nominal Operating Cell Temperature)	[°C]	46 +/-2
Temperature coefficient beta of I <sub>sc</sub>	[1/K]	+ 0.0006
Temperature coefficient alpha of V <sub>oc</sub>	[1/K]	- 0.0037
Temperature coefficient gamma of P <sub>mp</sub>	[1/K]	- 0.0045

## MECHANICAL CHARACTERISTIC

Dimensions (length[mm]/width[mm]/thickness[mm])	900/660/35
Thickness with junction box [mm]	30
Weight [kg]	7.18
Junction box(manufacturer/number of diodes)	CIXI/2
Junction box dimensions (length/width/thickness) [mm]	94/94/30
Plug connector(manufacturer/type/)	CIXI(O5-1)/MC(MC3/MC4)
Front cover (material/thickness [mm])	Tempered Glass,3.2mm
Cell type (quantity/technology)	36/polycrystalline/156x93.6
Encapsulation materials	Ethylene Vinyl Acetate(EVA)
Rear cover (material/thickness [mm])	0.287/0.35
Frame (material)	robust anodized aluminum alloy

## OPERATING CONDITIONS

Operating temperature [°C]	- 40 to + 85
Max. wind load/Max. snow load [Pa]	2.4K/5.4K

## PACKAGING

According to customs requirements that the packaging can be modified

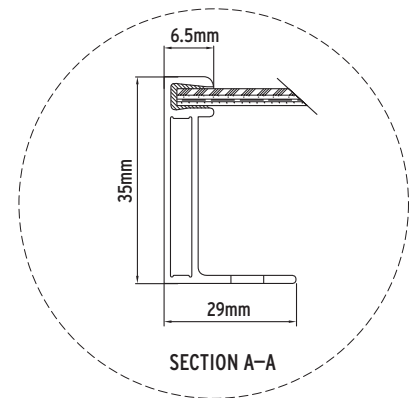
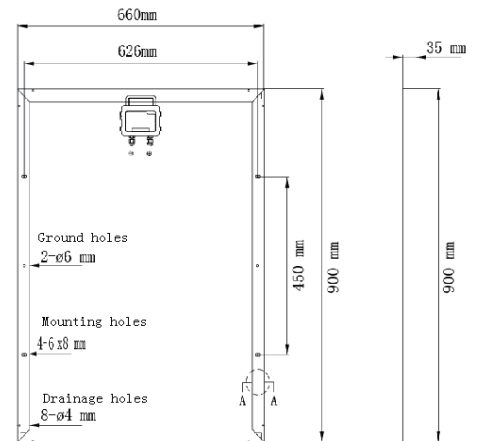
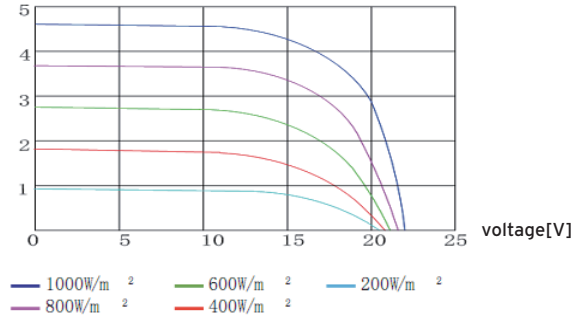
\* The data does not refer to a single module and they are not part of the offer, they serve for comparison only to different module types.

**Yingli Green Energy Holding Co. Ltd.**  
commerce@yinglisolar.com  
0086 - (0)312 - 8929802

Subject to modifications and errors

## IV CURVES

current[A]



Electrical equipment, check with your installer