

SOLAR PANEL

50Watt Maximum power

Mono-crystalline solar panel Poly-crystalline solar panel

Features

- High conversion efficiency based on leading innovative photovoltaic technologies
- High stability with guaranteed $\pm 3\%$ power output tolerance, ensuring return on investment
- Beautiful appearance
- Withstands high wind – pressure and snow load
- Easy to install

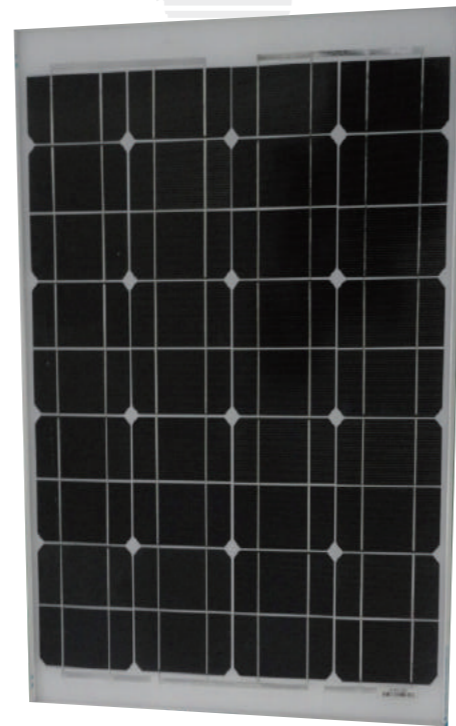
Quality and safety

- 25-year power output warranty with China Pacific Property Insurance Co., Ltd
- Rigorous quality control meeting the highest international standards
- ISO 9001: 2008 (Quality Management System) certified factories manufacturing world-class products

Recommended Applications

- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems

BYSP-5 BYSP-30
BYSP-10 BYSP-40
BYSP-15 BYSP-45
BYSP-20 BYSP-50

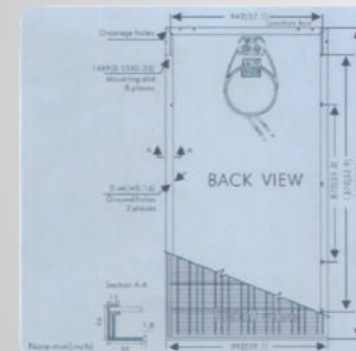


Qualifications and certificates



Electrical Characteristics

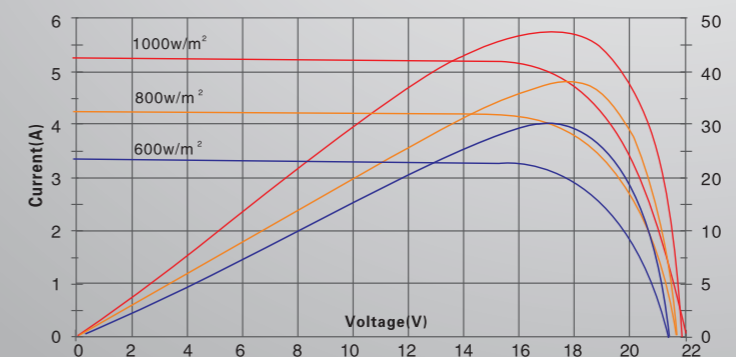
Characteristics	BYSP-5	BYSP-10	BYSP-15	BYSP-20	BYSP-30	BYSP-40	BYSP-45	BYSP-50	
Open-Circuit Voltage(Voc)	21	21.2	21.4	21.4	21.4	21.6	21.6	21.6	
Optimum Operating Voltage(Vmp)	16.8	17	17.2	17.2	17.2	17.4	17.66	17.6	
Short-Circuit Current(Isc)	0.38	0.68	1.06	1.4	1.96	2.72	2.89	3.16	
Optimum Operating Current(Imp)	0.3	0.59	0.88	1.17	1.75	2.3	2.56	2.85	
Maximum power at STC(Pmax)	5W	10W	15W	20W	30W	40W	45W	50W	
Operating Temperature	-40°C to +85°C								
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	
Series Fuse Rating	11A	11A	11A	11A	11A	11A	11A	11A	
Power Tolerance	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	
NO. of Cells	36							72	
Dimensions (MM)	285x185x20	350x285x23	440x290x23	639x294x23	570x414x23	535x510x23	535x510x23	685x510x25	
Weight (KG)	0.7	1.4	2.1	2.4	2.5	5.2	5.2	5.5	
Front Glass	3.2mm tempered glass								
Frame	Anodised aluminium alloy								
Junction Box	PV box2						PV-RH701		



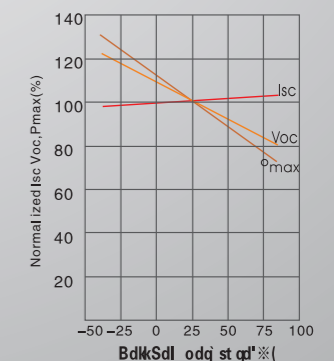
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45 \pm 2°C
Temperature Coefficient of Pmax	-0.48%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	-0.017%/°C

Current-Voltage & Power-Voltage Curve (40W)



Temperature Dependence of Isc, Voc, Pmax



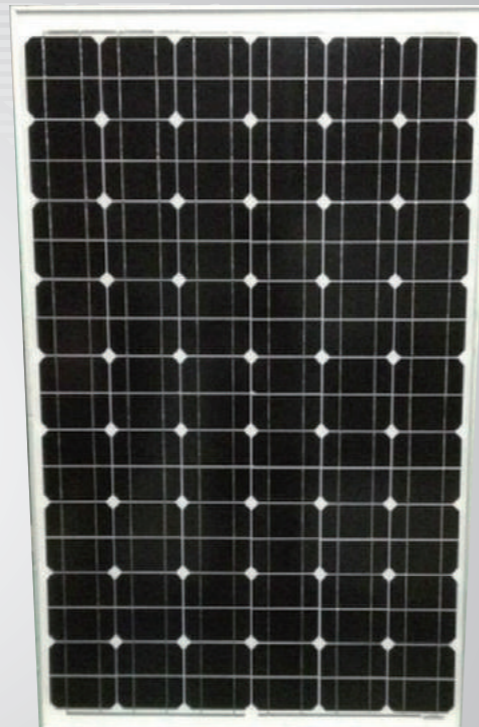
130Watt Maximum power

Mono-crystalline solar panel Poly-crystalline solar panel

Features

- High conversion efficiency based on leading innovative photovoltaic technologies
- High stability with guaranteed +/- 3% power output tolerance, ensuring return on investment
- Beautiful appearance
- Withstands high wind – pressure and snow load
- Easy to install

BYSP-60 BYSP-100
BYSP-70 BYSP-110
BYSP-80 BYSP-120
BYSP-90 BYSP-130



Quality and safety

- 25-year power output warranty with China Pacific Property Insurance Co., Ltd
- Rigorous quality control meeting the highest international standards
- ISO 9001: 2008 (Quality Management System) certified factories manufacturing world-class products

Recommended Applications

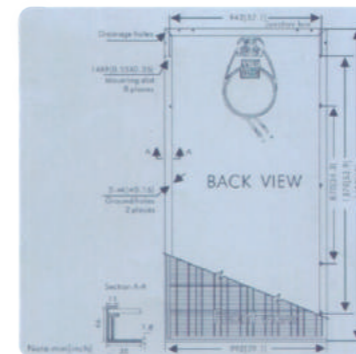
- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems

Qualifications and certificates



Electrical Characteristics

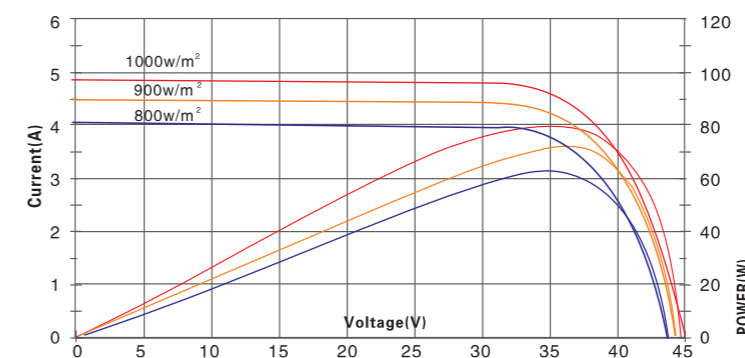
Characteristics	BYSP-60	BYSP-70	BYSP-80	BYSP-90	BYSP-100	BYSP-110	BYSP-120	BYSP-130
Open-Circuit Voltage(Voc)	21.8	21.4	21.8	21.8	22	21.4	21.6	21.6
Optimum Operating Voltage(Vmp)	17.8	17.2	17.6	17.8	18	17.2	17.4	17.6
Short-Circuit Current(Isc)	3.85	4.56	5.23	5.6	6.12	6.86	7.42	7.83
Optimum Operating Current(Imp)	3.38	4.07	4.55	5.06	5.56	6.4	6.9	7.39
Maximum power at STC(Pmax)	60W	70W	80W	90W	100W	110W	120W	130W
Operating Temperature	-40°C to +85°C							
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Series Fuse Rating	11A	11A	11A	15A	15A	15A	15A	15A
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
NO. of Cells	72	36			108			
Dimensions (MM)	835x540x28	910x510x28	1000x510x28	1100x510x28	1210x540x28	1250x808x35	1250x808x35	1250x808x35
Weight (KG)	5.5	8.2			11.8			
Front Glass	3.2mm tempered glass							
Frame	Anodised aluminium alloy							
Junction Box	PV-Rh701				PV-RH701			



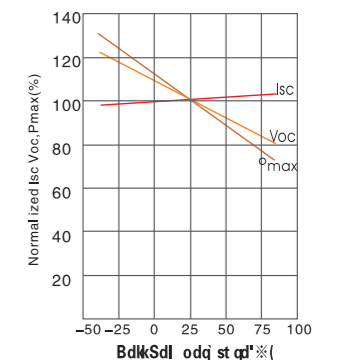
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45 ± 2°C
Temperature Coefficient of Pmax	-0.48%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	-0.017%/°C

Current-Voltage & Power-Voltage Curve (80W)



Temperature Dependence of Isc, Voc, Pmax





SOLAR PANEL

250Watt Maximum power

Mono-crystalline solar panel Poly-crystalline solar panel

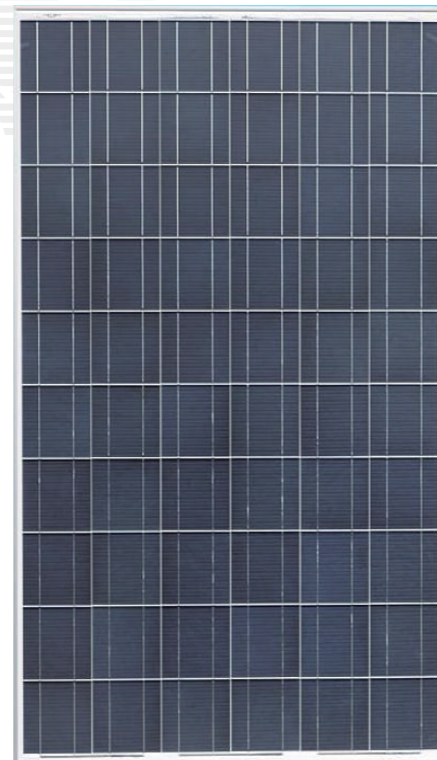
Features

- High conversion efficiency based on leading innovative photovoltaic technologies
- High stability with guaranteed $\pm 3\%$ power output tolerance, ensuring return on investment
- Beautiful appearance
- Withstands high wind – pressure and snow load
- Easy to install

Quality and safety

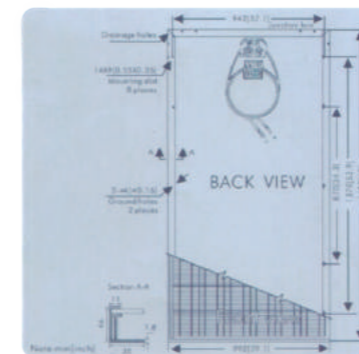
- 25-year power output warranty with China Pacific Property Insurance Co., Ltd
- Rigorous quality control meeting the highest international standards
- ISO 9001: 2008 (Quality Management System) certified factories manufacturing world-class products

BYSP-210 BYSP-240
BYSP-220 BYSP-250
BYSP-230



Electrical Characteristics

Characteristics	BYSP-210	BYSP-220	BYSP-230	BYSP-240	BYSP-250
Open-Circuit Voltage(Voc)	36.6	36.8	37	37.5	43.3
Optimum Operating Voltage(Vmp)	29.4	29.8	30	30.6	34.4
Short-Circuit Current(Isc)	7.62	8	8.18	8.38	8.05
Optimum Operating Current(Imp)	6.8	7.39	7.66	7.48	7.27
Maximum power at STC(Pmax)	210W	220W	230W	240W	250W
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Series Fuse Rating	20A	20A	20A	20A	20A
Power Tolerance	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$
NO. of Cells	60				72
Dimensions (MM)	1650 x 992 x 40	1650 x 992 x 40	1650 x 992 x 40	1650 x 992 x 40	1650 x 992 x 40
Weight (KG)	19				
Front Glass	3.2mm tempered glass				
Frame	Anodised aluminium alloy				
Junction Box	PV-320 (TUV)				



Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45 \pm 2°C
Temperature Coefficient of Pmax	-0.48%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	-0.017%/°C

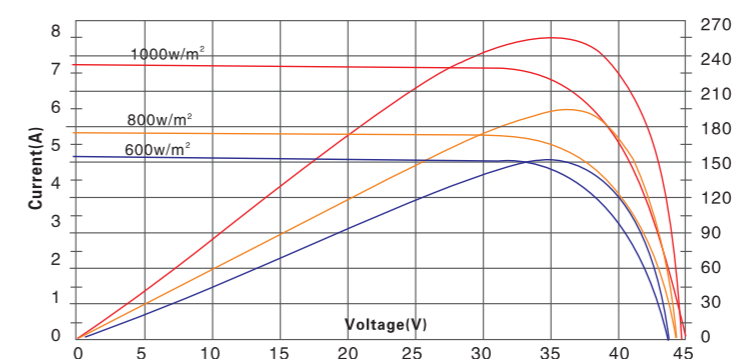
Recommended Applications

- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems

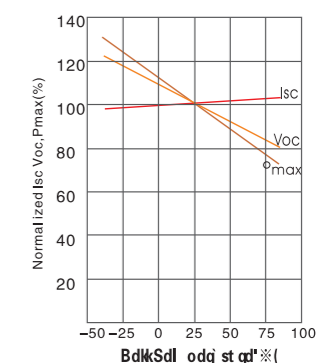
Qualifications and certificates



Current-Voltage & Power-Voltage Curve (240W)



Temperature Dependence of Isc, Voc, Pmax



SOLAR PANEL

300Watt Maximum power

Mono-crystalline solar panel Poly-crystalline solar panel

Features

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- Beautiful appearance
- Withstands high wind – pressure and snow load
- Easy to install

Quality and safety

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Recommended Applications

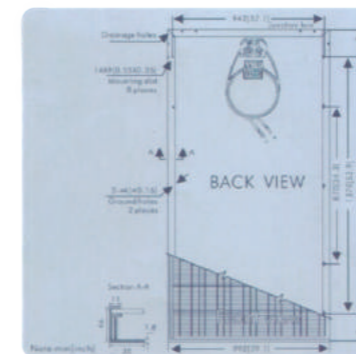
- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems

BYSP-260 BYSP-290
BYSP-270 BYSP-300
BYSP-280



Electrical Characteristics

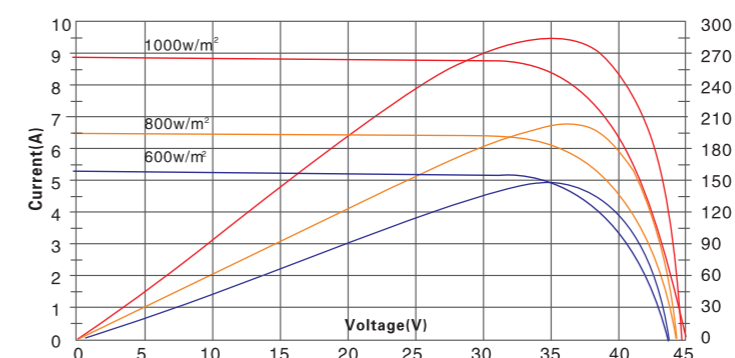
Characteristics	BYSP-260	BYSP-270	BYSP-280	BYSP-290	BYSP-300
Open-Circuit Voltage(Voc)	43.5	43.7	43.9	44.3	45
Optimum Operating Voltage(Vmp)	34.7	35	35.2	35.6	36
Short-Circuit Current(Isc)	8.21	8.4	8.71	8.96	9.21
Optimum Operating Current(Imp)	7.5	7.72	7.96	8.15	8.34
Maximum power at STC(Pmax)	260W	270W	280W	290W	300W
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Series Fuse Rating	20A	20A	20A	20A	20A
Power Tolerance	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$
NO. of Cells	72				
Dimensions (MM)	1650x992x40	1650x992x40	1956x992x45	1956x992x45	1956x992x45
Weight (KG)	19				
Front Glass	3.2mm tempered glass				
Frame	Anodised aluminium alloy				
Junction Box	PV-320 (TUV)				



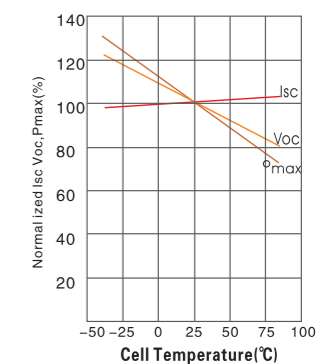
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45 \pm 2°C
Temperature Coefficient of Pmax	-0.48%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	-0.017%/°C

Current-Voltage & Power-Voltage Curve (290W)



Temperature Dependence of Isc, Voc, Pmax



Qualifications and certificates

