BLD Module

BLD5-36M BLD30-36M
BLD10-36M BLD40-36M
BLD20-36M BLD50-36M

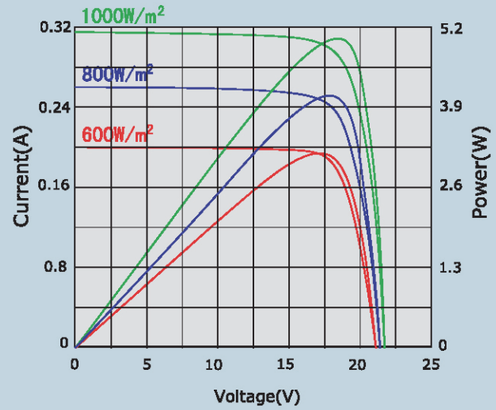
SPECIFICATIONS

Model type	BLD-36M	BLD10-36M	BLD20-36M	BLD30-36M	BLD40-36M	BLD50-36M
Peak power (Pmax)	5W	10W	20W	30W	40W	50W
Tolerance	±3%					
Weight	1.2kg	1.7kg	2.7kg	3.5kg	4kg	5.0kg
Dimensions	280 x210x17mm	280 x350x17mm	620 x280x25mm	480 x550x35mm	550 x620x35mm	710 x550x35mm
Maximum power voltage (Vmp)	17.50V	17.5V	17.50V	17.60V	17.70V	17.70V
Maximum power current (Imp)	0.29A	0.58A	1.15A	1.70A	2.26A	2.83A
Open circuit voltage (Voc)	21.96V	21.96V	21.96V	22.00V	22.00V	22.00V
Short circuit current (Isc)	0.33A	0.64A	1.30A	19.21A	2.56A	3.20A
Maximum system voltage	DC 1000V					
Temp. Coeff. of Isc (TK Isc)	0.037 %/℃					
Temp. Coeff. of Voc (TK Voc)	-0.34 %/ ℃					
Temp. Coeff. of Pmax (TK Pmax)	-0.48 %/ ℃					
Normal Operating Cell Temperature	45±2 ℃					

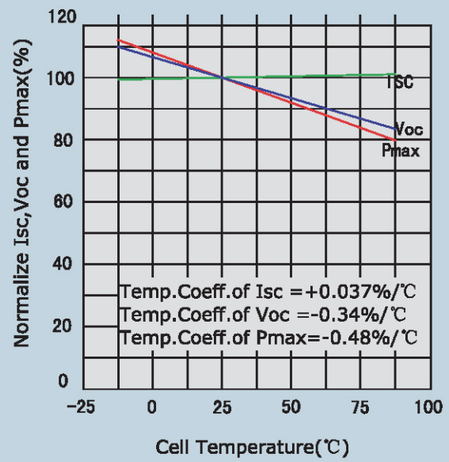
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m^2 solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

ELECTRICAL CHARACTERISTICS

Electrical Performance cell temperature:25℃



Temperatur dependence of Isc,Voc and Pmax



BLD Module

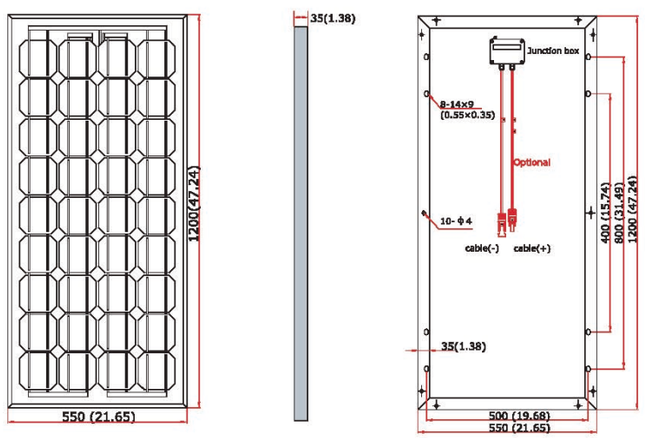
BLD85-36M
BLD80-36M
BLD75-36M
BLD70-36M

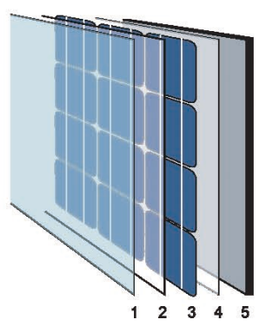
SPECIFICATIONS

Model type	BLD85–36M	BLD80-36M	BLD75-36M	BLD70-36M
Peak power (Pmax)	85W	80W	75W	70W
Tolerance	±3%			
Cell type	MonoCrystalline Silicon, 125mm x 125mm			
Number of cells	36 cells in series			
Weight	8.2kg (18.1 lbs)			
Dimensions	1200×550×35mm (47.24×21.65×1.38 inch)			
Maximum power voltage (Vmp)	18.05V	17.50V	17.40V	16.90V
Maximum power current (Imp)	4.71A	4.58A	4.31A	4.14A
Open circuit voltage (Voc)	21.94V	21.45V	21.73V	21.45V
Short circuit current (Isc)	5.29A	5.17A	4.72A	4.45A
Cell efficiency	16%	15.25%	14.25%	13.25%
Maximum system voltage	DC 1000V			
Temp. Coeff. of Isc (TK Isc)	0.037 %/℃			
Temp. Coeff. of Voc (TK Voc)	-0.34 %/℃			
Temp. Coeff. of Pmax (TK Pmax)	-0.48 %/℃			
Normal Operating Cell Temperature	45±2 ℃			

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

PHYSICAL CHARACTERISTICS Unit:mm(inch)

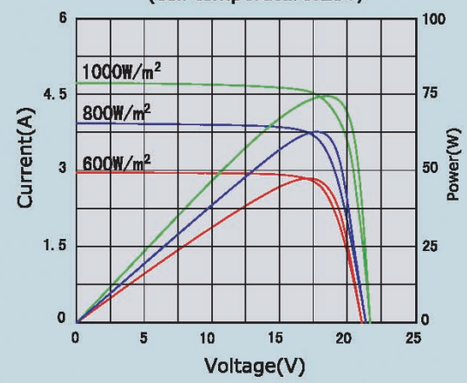




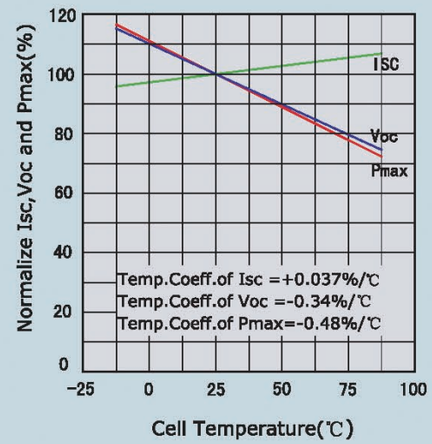
1 Tempered glass
2 EVA
3 Cells
4 EVA
5 Triple-layer back sheet

ELECTRICAL CHARACTERISTICS

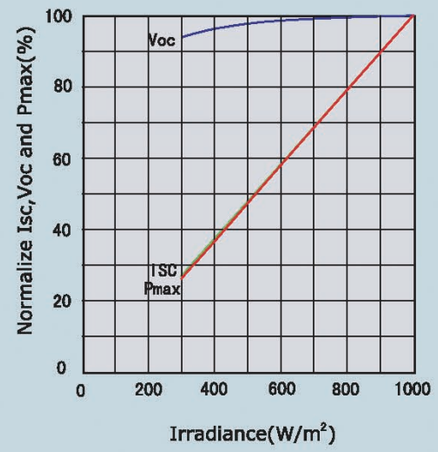
Electrical Performance
(cell temperature:25℃)



Temperatur dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature:25℃)



BLD Module

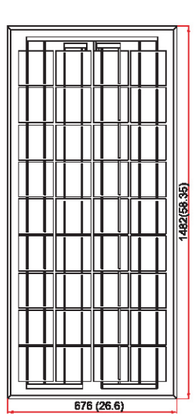
BLD145-36P BLD125-36P
BLD140-36P BLD120-36P
BLD135-36P BLD115-36P
BLD130-36P

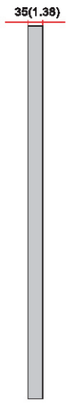
SPECIFICATIONS

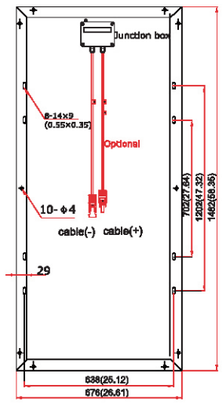
Model type	BLD145-36P	BLD140-36P	BLD135-36P	BLD130-36P	BLD125-36P	BLD120-36P	BLD115-36P
Peak power (Pmax)	145W	140W	135W	130W	125W	120W	115W
Tolerance	±3%						
Cell type	PolyCrystalline Silicon, 156mm x 156mm						
Number of cells	54 cells in series						
Weight	12.0kg (26.5 lbs)						
Dimensions	1482×676×35mm (58.35×39.06×1.38 inch)						
Maximum power voltage (Vmp)	17.80V	17.60V	17.60V	17.41V	17.40V	17.40V	17.20V
Maximum power current (Imp)	8.15A	7.95A	7.67A	7.47A	7.18A	6.89A	6.68A
Open circuit voltage (Voc)	21.96V	21.96V	21.96V	21.75V	21.75V	21.75V	21.75V
Short circuit current (Isc)	8.50A	8.41A	8.41A	8.10A	8.80A	8.63A	8.55A
Cell efficiency	16.75%	16.25%	15.75%	15%	14.5%	13.75%	13.25%
Maximum system voltage	DC 1000V						
Temp. Coeff. of Isc (TK Isc)	0.045 %/℃						
Temp. Coeff. of Voc (TK Voc)	-0.34 %/ ℃						
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/ ℃						
Normal Operating Cell Temperature	45±2℃						

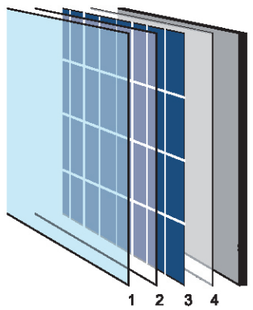
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

PHYSICAL CHARACTERISTICS Unit:mm(inch)





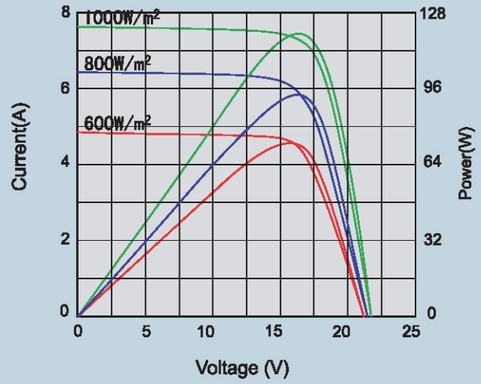




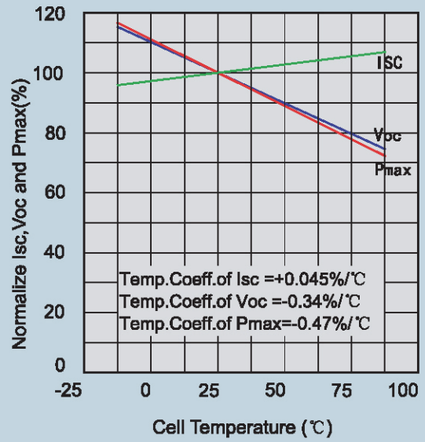
1 Tempered glass
2 EVA
3 Cells
4 EVA
5 Triple-layer back sheet

ELECTRICAL CHARACTERISTICS

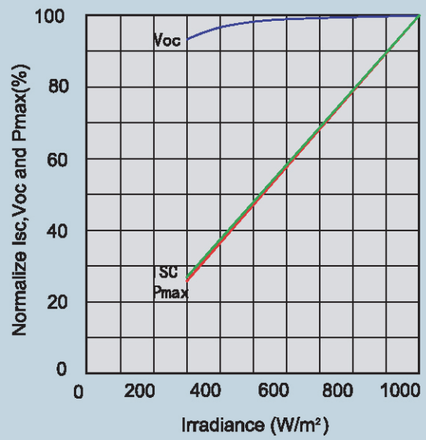
Electrical performance
(cell temperature:25℃)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature:25℃)



BLD Module

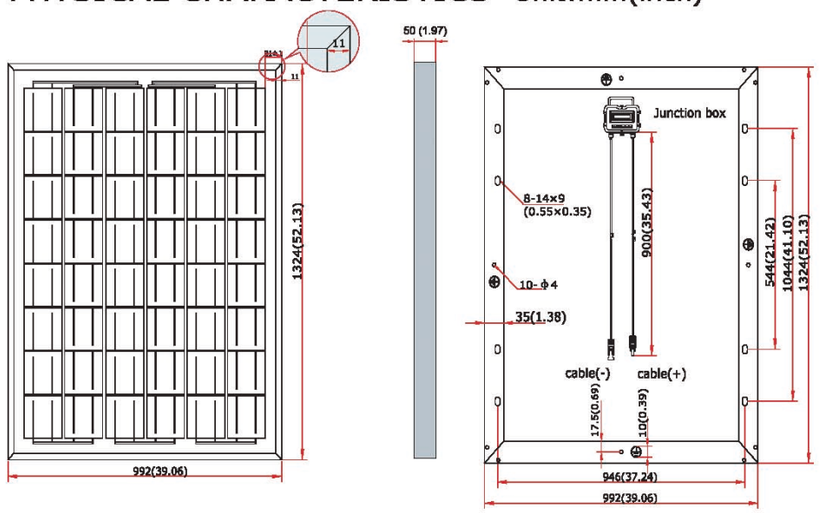
BLD195-48P
BLD190-48P
BLD185-48P
BLD180-48P
BLD175-48P
BLD170-48P
BLD165-48P
BLD160-48P
BLD155-48P

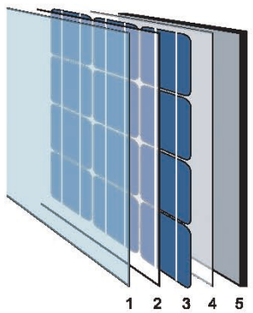
SPECIFICATIONS

Model type	BLD195-48P	BLD190-48P	BLD185-48P	BLD180-48P	BLD175-48P	BLD170-48P	BLD165-48P	BLD160-48P	BLD155-48P
Peak power (Pmax)	195W	190W	185W	180W	175W	170W	165W	160W	155W
Tolerance	±3%								
Cell type	PolyCrystalline Silicon, 156mm x 156mm								
Number of cells	48 cells in series								
Weight	15.6kg (34.45 lbs)								
Dimensions	1324×992×50 mm (52.13x39.06x1.97 inch)								
Maximum power voltage (Vmp)	24.05V	23.95V	23.86V	23.62V	23.33V	23.19V	22.99V	22.68V	22.46V
Maximum power current (Imp)	8.11A	7.94A	7.76A	7.62A	7.50A	7.34A	7.18A	7.06A	7.90A
Open circuit voltage (Voc)	29.41V	29.36V	29.32V	29.28V	29.20V	28.19V	26.96V	26.82V	26.40V
Short circuit current (Isc)	9.17A	8.98A	8.77A	8.61A	8.48A	8.30A	8.11A	7.98A	7.79A
Cell efficiency	16.5%	16.25%	16%	15.75%	15.25%	14.75%	14.75%	13.75%	13.5%
Maximum system voltage	DC 1000V								
Temp. Coeff. of Isc (TK Isc)	0.045 %/℃								
Temp. Coeff. of Voc (TK Voc)	-0.34 %/ ℃								
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/ ℃								
Normal Operating Cell Temperature	45±2 ℃								

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

PHYSICAL CHARACTERISTICS Unit:mm(inch)

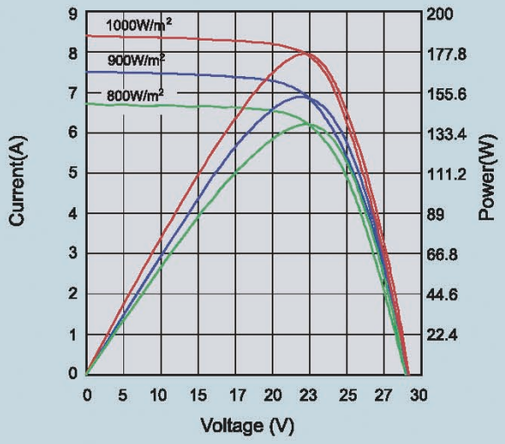




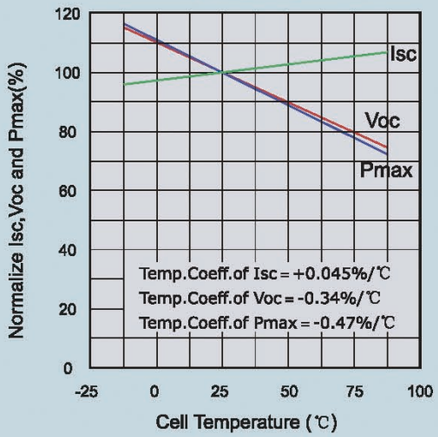
1 Tempered glass
2 EVA
3 Cells
4 EVA
5 Triple-layer back sheet

ELECTRICAL CHARACTERISTICS

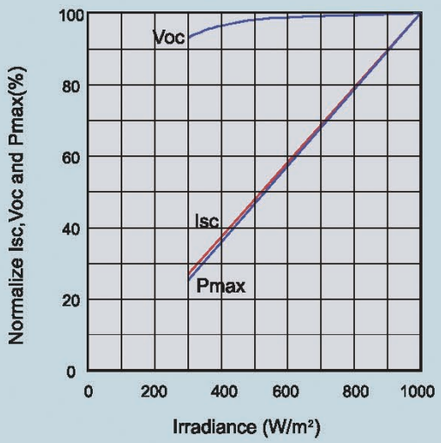
Electrical performance
(cell temperature:25℃)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature:25℃)



BLD Module

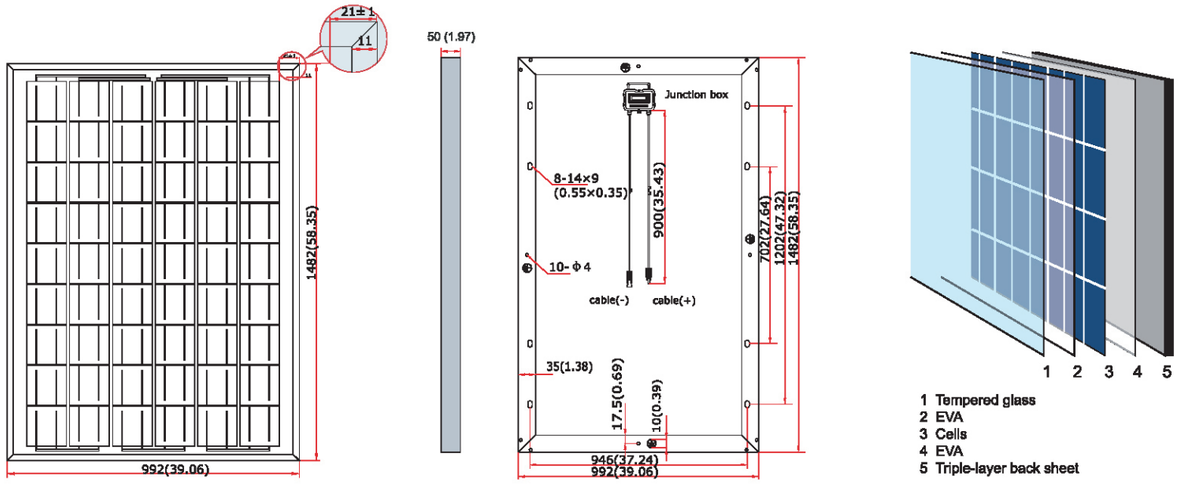
BLD215-54P BLD195-54P
BLD210-54P BLD190-54P
BLD205-54P BLD185-54P
BLD200-54P BLD180-54P

SPECIFICATIONS

Model type	BLD215-54P	BLD210-54P	BLD205-54P	BLD200-54P	BLD195-54P	BLD190-54P	BLD185-54P	BLD180-54P
Peak power (Pmax)	215W	210W	205W	200W	195W	190W	185W	180W
Tolerance	±3%							
Cell type	PolyCrystalline Silicon, 156mm x 156mm							
Number of cells	54 cells in series							
Weight	17.8kg (42.61 lbs)							
Dimensions	1482×992×50mm (58.35×39.06×1.97 inch)							
Maximum power voltage (Vmp)	26.95V	26.84V	26.83V	26.41V	26.24V	25.87V	25.70V	25.27V
Maximum power current (Imp)	7.98A	7.83A	7.65A	7.58A	7.44A	7.35A	7.20A	7.13A
Open circuit voltage (Voc)	33.34V	33.26V	32.94V	33.02V	32.89V	32.78V	32.67V	32.17V
Short circuit current (Isc)	9.02A	8.85A	8.65A	8.56A	8.41A	8.31A	8.14A	8.01A
Cell efficiency	16.5%	16%	15.75%	15.5%	15%	14.75%	14.25%	14%
Maximum system voltage	DC 1000V							
Temp. Coeff. of Isc (TK Isc)	0.045 %/℃							
Temp. Coeff. of Voc (TK Voc)	-0.34 %/ ℃							
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/ ℃							
Normal Operating Cell Temperature	45±2 ℃							

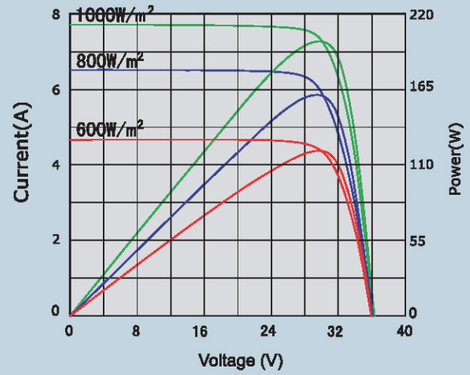
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

PHYSICAL CHARACTERISTICS Unit:mm(inch)

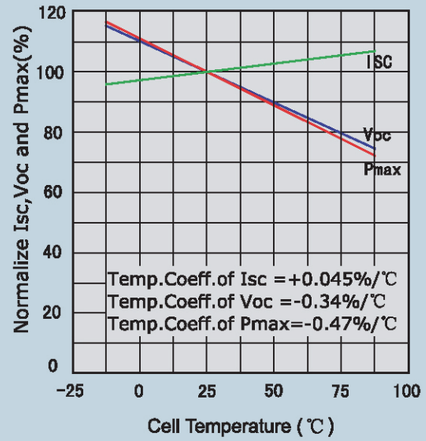


ELECTRICAL CHARACTERISTICS

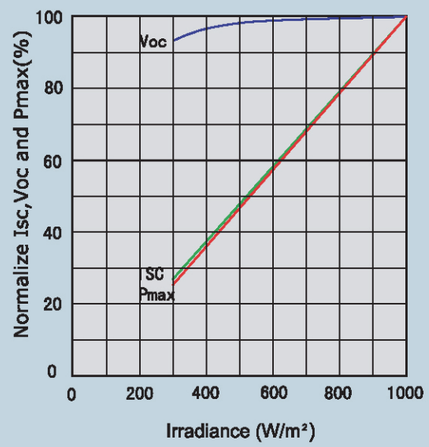
Electrical performance
(cell temperature:25℃)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature:25℃)



BLD Module

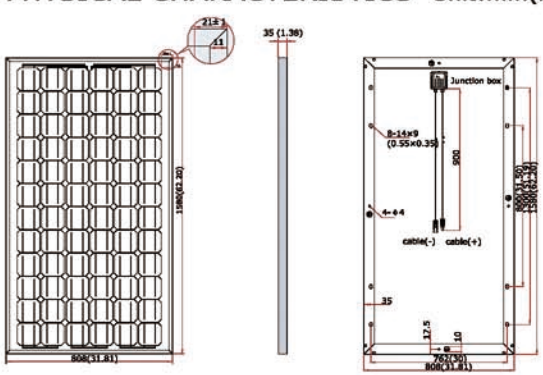
BLD185-72M BLD165-72M
BLD180-72M BLD160-72M
BLD175-72M BLD155-72M
BLD170-72M BLD150-72M

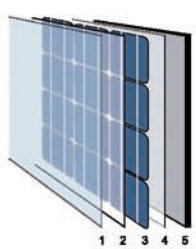
SPECIFICATIONS

Model type	BLD185-72M	BLD180-72M	BLD175-72M	BLD170-72M	BLD165-72M	BLD160-72M	BLD155-72M	BLD150-72M
Peak power (Pmax)	185W	180W	175W	170W	165W	160W	155W	150W
Tolerance	±3%							
Cell type	MonoCrystalline Silicon, 125mm x 125mm							
Number of cells	72 cells in series							
Weight	15.5kg (34.2 lbs)							
Dimensions	1580*808*35mm (62.20*31.81*1.38 inch)							
Maximum power voltage (Vmp)	37.08V	36.72V	36.26V	35.93V	35.64V	34.77V	34.41V	34.0V
Maximum power current (Imp)	4.99A	4.91A	4.83A	4.73A	4.63A	4.60A	4.50A	4.42A
Open circuit voltage (Voc)	44.66V	44.46V	44.35V	44.20V	43.92V	43.20V	42.90V	42.30V
Short circuit current (Isc)	5.64A	5.54A	5.45A	5.35A	5.23A	5.20A	5.09A	4.99A
Cell efficiency	17.5%	17%	16.5%	16%	15.75%	15.25%	14.75%	14.25%
Maximum system voltage	DC 1000V							
Temp. Coeff. of Isc (TK Isc)	0.037 %/℃							
Temp. Coeff. of Voc (TK Voc)	-0.34 %/℃							
Temp. Coeff. of Pmax (TK Pmax)	-0.48 %/℃							
Normal Operating Cell Temperature	45±2 ℃							

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

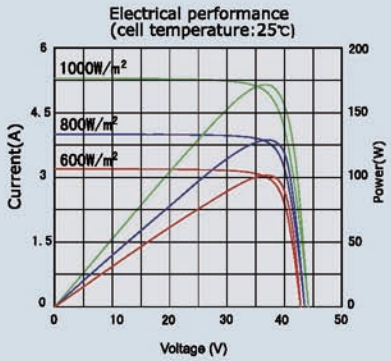
PHYSICAL CHARACTERISTICS Unit:mm(inch)

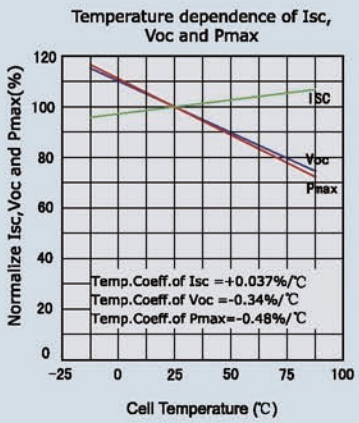


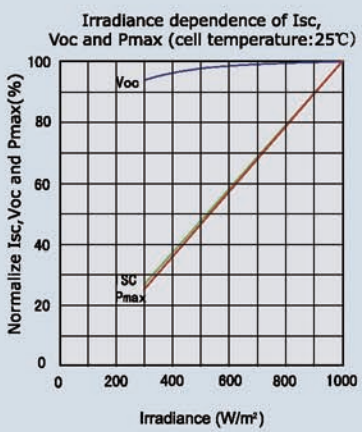


1 Tempered glass
2 EVA
3 Cells
4 EVA
5 Triple-layer back sheet

ELECTRICAL CHARACTERISTICS







BLD Module

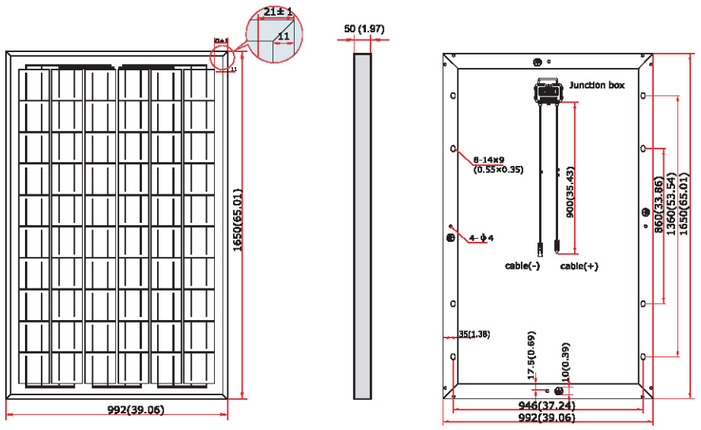
BLD240-60P
BLD235-60P
BLD230-60P
BLD255-60P
BLD220-60P
BLD215-60P
BLD210-60P
BLD205-60P
BLD200-60P

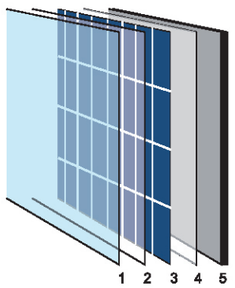
SPECIFICATIONS

Model type	BLD240-60P	BLD235-60P	BLD230-60P	BLD225-60P	BLD220-60P	BLD215-60P	BLD210-60P	BLD205-60P	BLD200-60P
Peak power (Pmax)	240W	235W	230W	225W	220W	215W	210W	205W	200W
Tolerance	±3%								
Cell type	PolyCrystalline Silicon, 156mm x 156mm								
Number of cells	60 cells in series								
Weight	19.3kg (42.61 lbs)								
Dimensions	1650×992×50mm (65.01×39.06×1.97 inch)								
Maximum power voltage (Vmp)	30.18V	29.95V	29.82V	29.52V	29.34V	29.70V	28.70V	28.62V	28.50V
Maximum power current (Imp)	7.96A	7.85A	7.72A	7.63A	7.50A	7.48A	7.32A	7.16A	7.02A
Open circuit voltage (Voc)	36.72V	36.41V	36.10V	36.30V	36.56V	36.50V	36.48V	36.31V	36.24V
Short circuit current (Isc)	8.99A	8.87A	8.73A	8.62A	8.48A	8.46A	8.28A	8.09A	7.94A
Cell efficiency	16.5%	16.25%	16%	15.75%	15.25%	15%	14.5%	14.25%	13.75%
Maximum system voltage	DC 1000V								
Temp. Coeff. of Isc (TK Isc)	0.045 %/℃								
Temp. Coeff. of Voc (TK Voc)	-0.34 %/ ℃								
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/ ℃								
Normal Operating Cell Temperature	45±2 ℃								

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

PHYSICAL CHARACTERISTICS Unit:mm(inch)

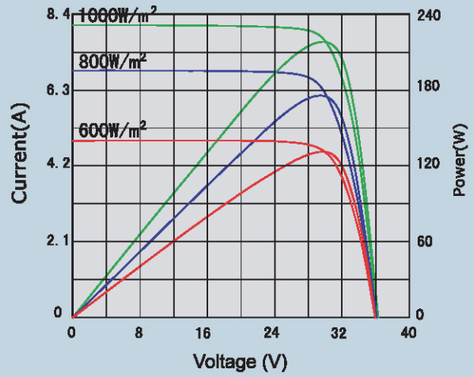




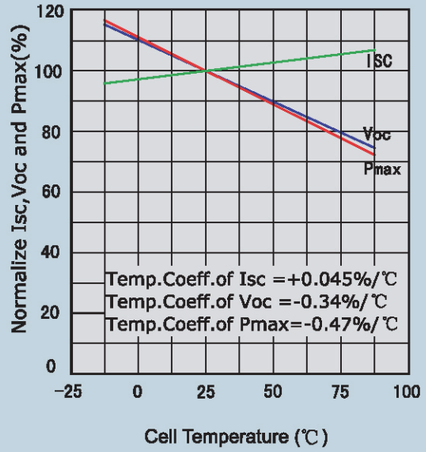
1 Tempered glass
2 EVA
3 Cells
4 EVA
5 Triple-layer back sheet

ELECTRICAL CHARACTERISTICS

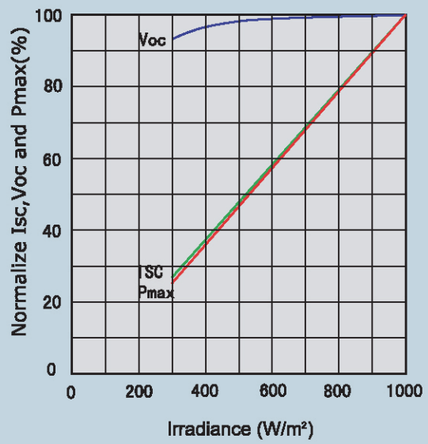
Electrical performance
(cell temperature:25℃)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature:25℃)



BLD Module

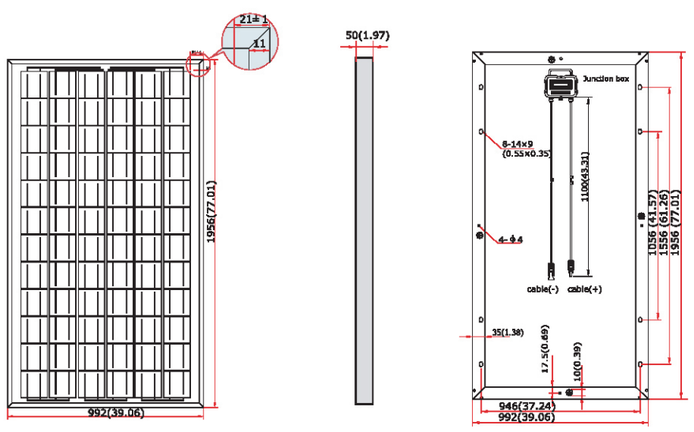
BLD280-72P
BLD275-72P
BLD270-72P
BLD265-72P
BLD260-72P
BLD255-72P
BLD250-72P
BLD245-72P
BLD240-72P

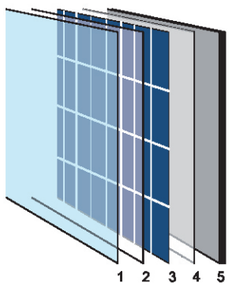
SPECIFICATIONS

Model type	BLD280-72P	BLD275-72P	BLD270-72P	BLD265-72P	BLD260-72P	BLD255-72P	BLD250-72P	BLD245-72P	BLD240-72P
Peak power (Pmax)	280W	275W	270W	265W	260W	255W	250W	245W	240W
Tolerance	±3%								
Cell type	PolyCrystalline Silicon, 156mm x 156mm								
Number of cells	72 cells in series								
Weight	23.0 kg (50.7 lbs)								
Dimensions	1956×992×50mm (77.01×39.06×1.97 inch)								
Maximum power voltage (Vmp)	35.93V	35.63V	35.43V	35.2V	34.99V	34.68V	34.48V	34.06V	33.84V
Maximum power current (Imp)	7.80A	7.72A	7.63A	7.53A	7.44A	7.36A	7.26A	7.20A	7.10A
Open circuit voltage (Voc)	44.40V	44.10V	43.93V	43.68V	43.59V	43.50V	43.48V	43.20V	43.05V
Short circuit current (Isc)	8.82A	8.73A	8.63A	8.58A	8.41A	8.32A	8.21A	8.14A	8.02A
Cell efficiency	16.25%	15.75%	15.5%	15.25%	15%	14.75%	14.5%	14.25%	13.75%
Maximum system voltage	DC 1000V								
Temp. Coeff. of Isc (TK Isc)	0.045 %/℃								
Temp. Coeff. of Voc (TK Voc)	-0.34 %/℃								
Temp. Coeff. of Pmax (TK Pmax)	-0.47%/℃								
Normal Operating Cell Temperature	45±2℃								

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

PHYSICAL CHARACTERISTICS Unit:mm(inch)





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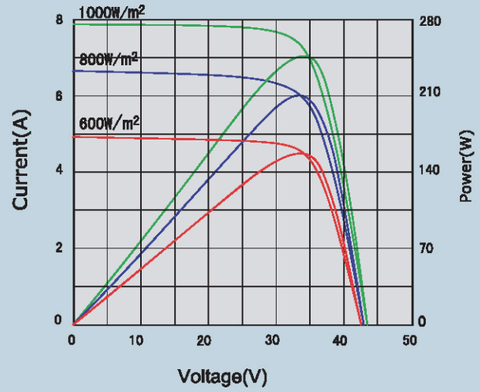
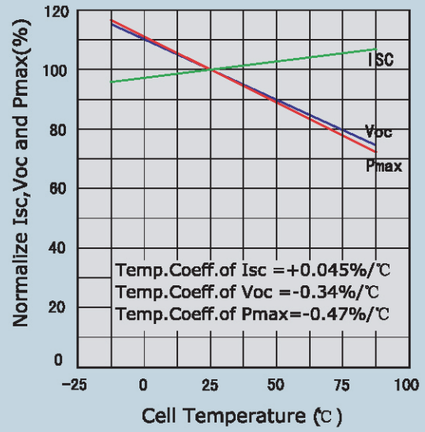
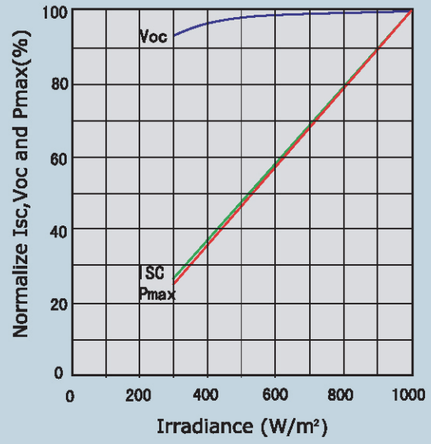
ELECTRICAL CHARACTERISTICS

Electrical performance
(cell temperature:25℃)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature: 25℃)