

## Polycrystalline 210W-240W

Module Type	BLD240-60P	BLD230-60P	BLD225-60P	BLD220-60P	BLD215-60P	BLD210-60P
Peak Power	240 Wp	230 Wp	225 Wp	220 Wp	215 Wp	210 Wp
Max. Power Voltage (Vmp)	30.18 V	29.82 V	29.52 V	29.34 V	29.70 V	28.70 V
Max. Power Current (Imp)	7.96 A	7.72 A	7.63 A	7.50 A	7.48 A	7.32 A
Open Circuit Voltage (Voc)	36.72 V	36.10 V	36.30 V	36.56 V	36.50 V	36.48 V
Short Circuit Current (Isc)	8.99 A	8.73 A	8.62 A	8.48 A	8.46 A	8.28 A
Cell Efficiency	16.50 %	16.00 %	15.75 %	15.25 %	15.00 %	14.50 %
Module Efficiency	14.66 %	14.05 %	13.74 %	13.44 %	13.13 %	12.82 %
Maximum System Voltage	DC 1000 V					
Temp. Coeff. of Isc	+0.045 %/K					
Temp. Coeff. of Voc	-0.34 %/K					
Temp. Coeff. of Pmax	-0.47 %/K					
Series Fuse Rating	15 A					
Cells	6x10 pieces polycrystalline solar cells series (156 mm x 156 mm)					
Junction Box	with 3 bypass diodes					
Front Glass	toughened safety glass 3.2 mm					
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)					
Back	composite film					
Frame	anodized aluminium profile					
Dimensions	1650x992x50mm (LxWxH)					
Weight	19.3 kg					
Max. Surface Load Capacity	tested up to 5,400 Pa: IEC 61215					
Hail	maximum diameter of 25 mm with impact speed of 23 ms-1					
Temperature Range	-40 °C to +85 °C					

## Monocrystalline 165W-190W

Module Type	BLD190-72M	BLD185-72M	BLD180-72M	BLD175-72M	BLD170-72M	BLD165-72M
Peak Power	190 Wp	185 Wp	180 Wp	175 Wp	170 Wp	165 Wp
Max. Power Voltage (Vmp)	37.08 V	37.08 V	36.72 V	36.26 V	35.93 V	35.64 V
Max. Power Current (Imp)	5.16 A	4.99 A	4.91 A	4.83 A	4.73 A	4.63 A
Open Circuit Voltage (Voc)	48.20 V	44.66 V	44.46 V	44.35 V	44.20 V	43.92 V
Short Circuit Current (Isc)	6.71 A	5.64 A	5.54 A	5.45 A	5.35 A	5.23 A
Cell Efficiency	18.0 %	17.5 %	17.0 %	16.5 %	16.0 %	15.75 %
Module Efficiency	14.88 %	14.49 %	14.09 %	13.70 %	13.31 %	12.92 %
Maximum System Voltage	DC 1000 V					
Temp. Coeff. of Isc	+0.037 %/K					
Temp. Coeff. of Voc	-0.34 %/K					
Temp. Coeff. of Pmax	-0.48 %/K					
Series Fuse Rating	15 A					
Cells	6x12 pieces monocrystalline solar cells series (125 mm x 125 mm)					
Junction Box	with 3 bypass diodes					
Front Glass	toughened safety glass 3.2 mm					
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)					
Back	composite film					
Frame	anodized aluminium profile					
Dimensions	1580x808x35mm (LxWxH)					
Weight	15.5 kg					
Max. Surface Load Capacity	tested up to 5,400 Pa: IEC 61215					
Hail	maximum diameter of 25 mm with impact speed of 23 ms-1					
Temperature Range	- 40 °C to + 85 °C					

• The electrical data relates to standard test conditions [STC]: 1,000 W/m<sup>2</sup>; AM 1.5; 25 °C • Wp tolerance for monocrystalline +/- 3%; polycrystalline +/- 5%  
 • Certified with IEC 61215/61730 (MCS, TÜV, VDE) and CE • All information without guarantee.

## Monocrystalline 70W-85W

Module Type	BLD85-36M	BLD80-36M	BLD75-36M	BLD70-36M
Peak Power	85 Wp	80 Wp	75 Wp	70 Wp
Max. Power Voltage (Vmp)	18.05 V	17.50 V	17.40 V	16.90 V
Max. Power Current (Imp)	4.71 A	4.58 A	4.31 A	4.14 A
Open Circuit Voltage (Voc)	21.94 V	21.45 V	21.73 V	21.45 V
Short Circuit Current (Isc)	5.29 A	5.17 A	4.72 A	4.45 A
Cell Efficiency	16.00 %	15.25 %	14.25 %	13.25 %
Module Efficiency	12.87 %	12.12 %	11.36 %	10.60 %
Maximum System Voltage	DC 1000 V			
Temp. Coeff. of Isc	+0.037 %/K			
Temp. Coeff. of Voc	-0.34 %/K			
Temp. Coeff. of Pmax	-0.48 %/K			
Series Fuse Rating	15 A			
Cells	36 pieces monocrystalline solar cells series			
Junction Box	with 3 bypass diodes			
Front Glass	toughened safety glass 3.2 mm			
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)			
Back	composite film			
Frame	anodized aluminium profile			
Dimensions	1200x550x35mm (LxWxH)			
Weight	8.2 kg			
Hail	maximum diameter of 25 mm with impact speed of 23 ms-1			
Temperature Range	-40 °C to +85 °C			

## Monocrystalline 5W-50W

Module Type	BLD50-36M	BLD40-36M	BLD30-36M	BLD20-36M	BLD10-36M	BLD5-36M
Peak Power	50 Wp	40 Wp	30 Wp	20 Wp	10 Wp	5 Wp
Max. Power Voltage (Vmp)	17.70 V	17.70 V	17.60 V	17.50 V	17.50 V	17.50 V
Max. Power Current (Imp)	2.83 A	2.26 A	1.70 A	1.15 A	0.58 A	0.29 A
Open Circuit Voltage (Voc)	22.00 V	22.00 V	22.00 V	21.96 V	21.96 V	21.96 V
Short Circuit Current (Isc)	3.20 A	2.56 A	2.92 A	1.30 A	0.64 A	0.33 A
Maximum System Voltage	DC 1000 V					
Temp. Coeff. of Isc	+0.037 %/K					
Temp. Coeff. of Voc	-0.34 %/K					
Temp. Coeff. of Pmax	-0.48 %/K					
Series Fuse Rating	15 A					
Front Glass	toughened safety glass 3.2 mm					
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)					
Back	composite film					
Frame	anodized aluminium profile					
Dimensions (mm)	710x550x35	550x620x35	480x550x35	620x280x25	280x350x17	280x210x17
Weight	5.0 kg	4.0 kg	3.5 kg	2.7 kg	1.7 kg	1.2 kg
Hail	maximum diameter of 25 mm with impact speed of 23 ms-1					
Temperature Range	-40 °C to +85 °C					

## Polycrystalline 255W-280W

Module Type	BLD280-72P	BLD275-72P	BLD270-72P	BLD265-72P	BLD260-72P	BLD255-72P
Peak Power	280 Wp	275 Wp	270 Wp	265 Wp	260 Wp	255 Wp
Max. Power Voltage (Vmp)	35.93 V	35.63 V	35.43 V	35.20 V	34.99 V	34.68 V
Max. Power Current (Imp)	7.80 A	7.72 A	7.63 A	7.53 A	7.44 A	7.36 A
Open Circuit Voltage (Voc)	44.40 V	44.10 V	43.93 V	43.68 V	43.59 V	43.50 V
Short Circuit Current (Isc)	8.82 A	8.73 A	8.63 A	8.58 A	8.41 A	8.32 A
Cell Efficiency	16.25 %	15.75 %	15.50 %	15.25 %	15.00 %	14.75 %
Module Efficiency	14.43 %	14.18 %	13.92 %	13.66 %	13.40 %	13.14 %
Maximum System Voltage	DC 1000 V					
Temp. Coeff. of Isc	+0.045 %/K					
Temp. Coeff. of Voc	-0.34 %/K					
Temp. Coeff. of Pmax	-0.47 %/K					
Series Fuse Rating	15 A					
Cells	6x12 pieces polycrystalline solar cells series (156 mm x 156 mm)					
Junction Box	with 3 bypass diodes					
Front Glass	toughened safety glass 3.2 mm					
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)					
Back	composite film					
Frame	anodized aluminium profile					
Dimensions	1956x992x50 mm (LxWxH)					
Weight	23.0 kg					
Hail	maximum diameter of 25 mm with impact speed of 23 ms <sup>-1</sup>					
Temperature Range	-40 °C to +85 °C					

- The electrical data relates to standard test conditions [STC]: 1,000 W/m<sup>2</sup>; AM 1.5; 25 °C • Wp tolerance for monocrystalline +/- 3%; polycrystalline +/- 5%
- Certified with IEC 61215/61730 (TÜV, VDE) and CE • All information without guarantee.

## Polycrystalline 190W-215W

Module Type	BLD215-54P	BLD210-54P	BLD205-54P	BLD200-54P	BLD195-54P	BLD190-54P
Peak Power	215 Wp	210 Wp	205 Wp	200 Wp	195 Wp	190 Wp
Max. Power Voltage (Vmp)	26.95 V	26.84 V	26.83 V	26.41 V	26.24 V	25.87 V
Max. Power Current (Imp)	7.98 A	7.83 A	7.65 A	7.58 A	7.44 A	7.35 A
Open Circuit Voltage (Voc)	33.34 V	33.26 V	32.94 V	33.02 V	32.89 V	32.78 V
Short Circuit Current (Isc)	9.02 A	8.85 A	8.65 A	8.56 A	8.41 A	8.31 A
Cell Efficiency	16.50 %	16.00 %	15.75 %	15.50 %	15.00 %	14.75 %
Module Efficiency	14.65 %	14.31 %	13.96 %	13.62 %	13.28 %	12.94 %
Maximum System Voltage	DC 1000 V					
Temp. Coeff. of Isc	+0.045 %/K					
Temp. Coeff. of Voc	-0.34 %/K					
Temp. Coeff. of Pmax	-0.47 %/K					
Series Fuse Rating	15 A					
Cells	6x9 pieces polycrystalline solar cells series (156 mm x 156 mm)					
Junction Box	with 3 bypass diodes					
Front Glass	toughened safety glass 3.2 mm					
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)					
Back	composite film					
Frame	anodized aluminium profile					
Dimensions	1482x992x50mm (LxWxH)					
Weight	17.8 kg					
Hail	maximum diameter of 25 mm with impact speed of 23 ms <sup>-1</sup>					
Temperature Range	-40 °C to +85 °C					

- The electrical data relates to standard test conditions [STC]: 1,000 W/m<sup>2</sup>; AM 1.5; 25 °C • Wp tolerance for monocrystalline +/- 3%; polycrystalline +/- 5%
- Certified with CE • All information without guarantee.

## Polycrystalline 170W-195W

Module Type	BLD195-48P	BLD190-48P	BLD185-48P	BLD180-48P	BLD175-48P	BLD170-48P
Peak Power	195 Wp	190 Wp	185 Wp	180 Wp	175 Wp	170 Wp
Max. Power Voltage (Vmp)	24.05 V	23.95 V	23.86 V	23.62 V	23.33 V	23.19 V
Max. Power Current (Imp)	8.11 A	7.94 A	7.76 A	7.62 A	7.50 A	7.34 A
Open Circuit Voltage (Voc)	29.41 V	29.36 V	29.32 V	29.28 V	29.20 V	28.19 V
Short Circuit Current (Isc)	9.17 A	8.98 A	8.77 A	8.61 A	8.48 A	8.30 A
Cell Efficiency	16.50 %	16.25 %	16.00 %	15.75 %	15.25 %	14.75 %
Module Efficiency	14.85 %	14.47 %	14.09 %	13.71 %	13.33 %	12.95 %
Maximum System Voltage	DC 1000 V					
Temp. Coeff. of Isc	+ 0.045 %/K					
Temp. Coeff. of Voc	-0.34 %/K					
Temp. Coeff. of Pmax	-0.47 %/K					
Series Fuse Rating	15 A					
Cells	6x8 pieces polycrystalline solar cells series (156 mm x 156 mm)					
Junction Box	with 3 bypass diodes					
Front Glass	toughened safety glass 3.2 mm					
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)					
Back	composite film					
Frame	anodized aluminium profile					
Dimensions	1324x992x50mm (LxWxH)					
Weight	15.6 kg					
Hail	maximum diameter of 25 mm with impact speed of 23 ms-1					
Temperature Range	-40 °C to +85 °C					

## Polycrystalline 120W-145W

Module Type	BLD145-36P	BLD140-36P	BLD135-36P	BLD130-36P	BLD125-36P	BLD120-36P
Peak Power	145 Wp	140 Wp	135 Wp	130 Wp	125 Wp	120 Wp
Max. Power Voltage (Vmp)	17.80 V	17.60 V	17.60 V	17.41 V	17.40 V	17.40 V
Max. Power Current (Imp)	8.15 A	7.95 A	7.67 A	7.47 A	7.18 A	6.89 A
Open Circuit Voltage (Voc)	21.96 V	21.96 V	21.96 V	21.75 V	21.75 V	21.75 V
Short Circuit Current (Isc)	8.50 A	8.41 A	8.41 A	8.10 A	8.80 A	8.63 A
Cell Efficiency	16.75 %	16.25 %	15.75 %	15.00 %	14.50 %	13.75 %
Module Efficiency	14.50 %	14.00 %	13.50 %	13.00 %	12.50 %	12.00 %
Maximum System Voltage	DC 1000 V					
Temp. Coeff. of Isc	+ 0.045 %/K					
Temp. Coeff. of Voc	-0.34 %/K					
Temp. Coeff. of Pmax	-0.47 %/K					
Series Fuse Rating	15 A					
Cells	4x9 pieces polycrystalline solar cells series (156 mm x 156 mm)					
Junction Box	with 3 bypass diodes					
Front Glass	toughened safety glass 3.2 mm					
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)					
Back	composite film					
Frame	anodized aluminium profile					
Dimensions	1482x676x35mm (LxWxH)					
Weight	12.0 kg					
Hail	maximum diameter of 25 mm with impact speed of 23 ms-1					
Temperature Range	-40 °C to +85 °C					

## Monocrystalline 280W-300W

Module Type	BLD300-72M	BLD290-72M	BLD280-72M
Peak Power	300 Wp	290 Wp	280 Wp
Max. Power Voltage (Vmp)	37.08 V	36.68 V	35.93 V
Max. Power Current (Imp)	8.09 A	7.90 A	7.80 A
Open Circuit Voltage (Voc)	44.66 V	44.38 V	44.4 V
Short Circuit Current (Isc)	9.06 A	8.85 A	8.82 A
Cell Efficiency	17.80 %	17.20 %	16.70 %
Module Efficiency	15.46 %	14.94 %	14.43 %
Maximum System Voltage	DC 1000 V		
Temp. Coeff. of Isc	0.065+/-0.015%/K		
Temp. Coeff. of Voc	(2.23+/-0.1)mv/K		
Temp. Coeff. of Pmax	-(0.5+/-0.05)/K		
Series Fuse Rating	15 A		
Cells	6x12 pieces monocrystalline solar cells series (156 mm x 156 mm)		
Junction Box	with 3 bypass diodes		
Front Glass	toughened safety glass 3.2 mm		
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)		
Back	composite film		
Frame	anodized aluminium profile		
Dimensions	1956x992x50mm (LxWxH)		
Weight	23.0 kg		
Max. Surface Load Capacity	tested up to 5,400 Pa: IEC 61215		
Hail	maximum diameter of 25 mm with impact speed of 23 ms-1		
Temperature Range	-40 °C to +85 °C		

## Monocrystalline 240W-250W

Module Type	BLD250-60M	BLD240-60M
Peak Power	250 Wp	240 Wp
Max. Power Voltage (Vmp)	31.20 V	30.18 V
Max. Power Current (Imp)	8.01 A	7.96 A
Open Circuit Voltage (Voc)	37.10 V	36.72 V
Short Circuit Current (Isc)	8.97 A	8.99 A
Cell Efficiency	17.50 %	17.15 %
Module Efficiency	15.27 %	14.66 %
Maximum System Voltage	DC 1000 V	
Temp. Coeff. of Isc	0.065+/-0.015%/K	
Temp. Coeff. of Voc	(2.23+/-0.1)mv/K	
Temp. Coeff. of Pmax	-(0.5+/-0.05)/K	
Series Fuse Rating	15 A	
Cells	6x10 pieces monocrystalline solar cells series (156 mm x 156 mm)	
Junction Box	with 3 bypass diodes	
Front Glass	toughened safety glass 3.2 mm	
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)	
Back	composite film	
Frame	anodized aluminium profile	
Dimensions	1650x992x50 mm (LxWxH)	
Weight	19.3 kg	
Max. Surface Load Capacity	tested up to 5,400 Pa: IEC 61215	
Hail	maximum diameter of 25 mm with impact speed of 23 ms-1	
Temperature Range	-40 °C to +85 °C	

- The electrical data relates to standard test conditions [STC]: 1,000 W/m<sup>2</sup>; AM 1.5; 25 °C • Wp tolerance for monocrystalline +/- 3%; polycrystalline +/- 5%
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