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# EnergyPal

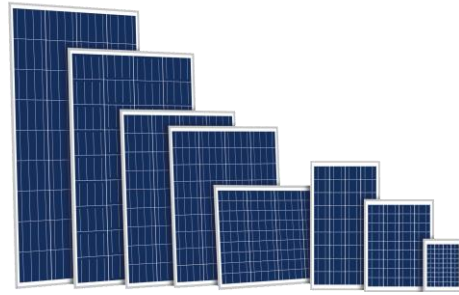
## **Solar Panel Guide Specification Data Sheet**

**Coulee Limited  
Mini Poly Series  
MY140P6-32**

Also available on the web at  
[EnergyPal.com/coulee-limited-solar-panels/my140p6-32](http://EnergyPal.com/coulee-limited-solar-panels/my140p6-32)



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Mini Polycrystalline Solar Module

Specifications & Characteristics

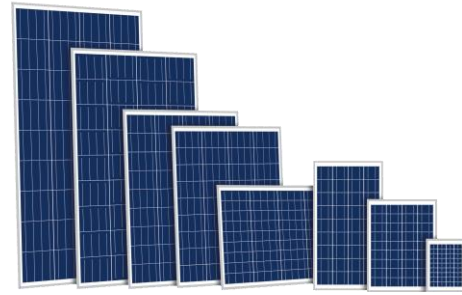
- 25-year designed service time
- Higher output and efficiency even under low light conditions
- Highly reliable due to stringent quality control
- Certified to withstand the most challenging environmental conditions

Model	MY010P6-36	MY015P6-36	MY020P6-36	MY025P6-36	MY030P6-36
Peak Power Watts - Pmax	10Wp	15Wp	20Wp	25Wp	30Wp
Maximum Power Voltage - Vmp	17.8V	17.4V	17.3V	17.6V	17.3V
Maximum Power Current - Imp	0.57A	0.87A	1.16A	1.43A	1.74A
Open Circuit Voltage - Voc	22.4V	21.5V	21.7V	21.8V	21.7V
Short Circuit Current - Isc	0.61A	0.95A	1.26A	1.51A	1.89A
Module Efficiency $\eta_m$	11.8%	11.3%	11.9%	13.2%	13.2%
Cell Size (Poly)	78mm × 21.2mm	52mm × 52mm	156mm × 22.3mm	156mm × 26mm	156mm × 31.2mm
Power Output Tolerance - Pmax	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Numbers of Cells	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)
Module Dimension (L × W × H)	340mm × 250mm × 17mm	370mm × 360mm × 17mm	480mm × 350mm × 25mm	540mm × 350mm × 25mm	650mm × 350mm × 25mm
Module Weight	1.0kg	1.5kg	2.0kg	2.2kg	2.6kg
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Maximum Static Load (Front/Back)	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa
Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
NOTC	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C
Temperature Coefficients of Isc	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C
Temperature Coefficients of Voc	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C
Temperature Coefficients of Pmax	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C
Load Capacity	9600pcs/20'GP, 28800pcs/40'HQ	7200pcs/20'GP, 14400pcs/40'HQ	4800pcs/20'GP, 9600pcs/40'HQ	3200pcs/20'GP, 9600pcs/40'HQ	2400pcs/20'GP, 7200pcs/40'HQ

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM = 1.5



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Mini Polycrystalline Solar Module

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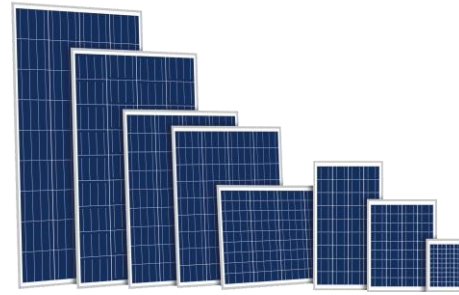
- 25-year designed service time
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Model	MY030P6-72	MY035P6-36	MY040P6-36	MY045P6-36	MY050P6-36
Peak Power Watts - Pmax	30Wp	35Wp	40Wp	45Wp	50Wp
Maximum Power Voltage - Vmp	35.8V	17.2V	17.8V	17.2V	17.8V
Maximum Power Current - Imp	0.838A	2.04A	2.25A	2.62A	2.81A
Open Circuit Voltage - Voc	43.6V	21.4V	22.4V	21.4V	22.4V
Short Circuit Current - Isc	0.89A	2.16A	2.38A	2.77A	2.97A
Module Efficiency $\eta_m$	13.2%	12.7%	14.5%	12.4%	13.8%
Cell Size (Poly)	78mm × 31.2mm	156mm × 39mm	156mm × 39mm	156mm × 52mm	156mm × 52mm
Power Output Tolerance - Pmax	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Numbers of Cells	72pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)
Module Dimension (L × W × H)	650mm × 350mm × 25mm	540mm × 510mm × 25mm	540mm × 510mm × 25mm	670mm × 540mm × 30mm	670mm × 540mm × 30mm
Module Weight	2.6kg	3.2kg	3.2kg	4.2kg	4.2kg
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Maximum Static Load (Front/Back)	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa
Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
NOTC	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C
Temperature Coefficients of Isc	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C
Temperature Coefficients of Voc	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C
Temperature Coefficients of Pmax	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C
Load Capacity	2400pcs/20'GP, 7200pcs/40'HQ	2400pcs/20'GP, 6400pcs/40'HQ	2400pcs/20'GP, 6400pcs/40'HQ	1440pcs/20'GP, 4320pcs/40'HQ	1440pcs/20'GP, 4320pcs/40'HQ

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM = 1.5



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Mini Polycrystalline Solar Module

Specifications & Characteristics

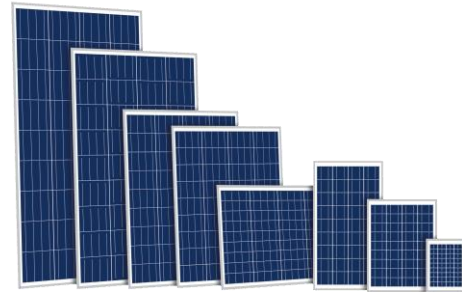
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Model	MY055P6-36	MY060P6-36	MY065P6-36	MY070P6-36	MY075P6-36
Peak Power Watts - Pmax	55Wp	60Wp	65Wp	70Wp	75Wp
Maximum Power Voltage - Vmp	18.1V	17.6V	18.2V	17.2V	17.5V
Maximum Power Current - Imp	3.04A	3.41A	3.58A	4.07A	4.29A
Open Circuit Voltage - Voc	22.6V	22.4V	22.8V	21.6V	22.4V
Short Circuit Current - Isc	3.22A	3.61A	3.78A	4.31A	4.54A
Module Efficiency $\eta_m$	15.2%	13.8%	14.9%	13.6%	14.6%
Cell Size (Poly)	156mm × 52mm	156mm × 65mm	156mm × 65mm	156mm × 78mm	156mm × 78mm
Power Output Tolerance - Pmax	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Numbers of Cells	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)
Module Dimension (L × W × H)	670mm × 540mm × 30mm	670mm × 650mm × 30mm	670mm × 650mm × 30mm	770mm × 670mm × 30mm	770mm × 670mm × 30mm
Module Weight	4.2kg	5.0kg	5.0kg	6.0kg	6.0kg
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Maximum Static Load (Front/Back)	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa
Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
NOTC	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C
Temperature Coefficients of Isc	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C
Temperature Coefficients of Voc	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C
Temperature Coefficients of Pmax	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C
Load Capacity	1440pcs/20'GP, 4320pcs/40'HQ	1088pcs/20'GP, 3264pcs/40'HQ	1088pcs/20'GP, 3264pcs/40'HQ	1088pcs/20'GP, 2856pcs/40'HQ	1088pcs/20'GP, 2856pcs/40'HQ

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM = 1.5



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Mini Polycrystalline Solar Module

Specifications & Characteristics

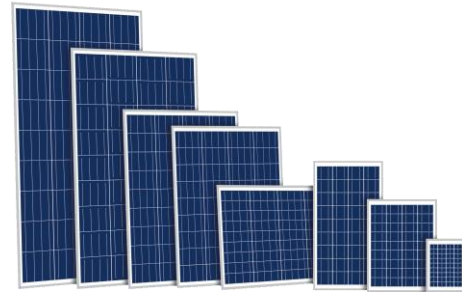
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Model	MY080P6-36	MY085P6-36	MY090P6-36	MY095P6-36	MY100P6-36
Peak Power Watts - Pmax	80Wp	85Wp	90Wp	95Wp	100Wp
Maximum Power Voltage - Vmp	18.1V	17.6V	17.8V	17.4V	17.8V
Maximum Power Current - Imp	4.42A	4.83A	5.06A	5.46A	5.62A
Open Circuit Voltage - Voc	22.6V	22.4V	22.6V	21.8V	22.4V
Short Circuit Current - Isc	4.68A	5.12A	5.36A	5.78A	5.95A
Module Efficiency $\eta_m$	15.5%	14.1%	15.0%	14.2%	15.0%
Cell Size (Poly)	156mm × 78mm	156mm × 91mm	156mm × 91mm	156mm × 104mm	156mm × 104mm
Power Output Tolerance - Pmax	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Numbers of Cells	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)
Module Dimension (L × W × H)	770mm × 670mm × 30mm	900mm × 670mm × 30mm	900mm × 670mm × 30mm	1000mm × 670mm × 30mm	1000mm × 670mm × 30mm
Module Weight	6.0kg	7.0kg	7.0kg	8.0kg	8.0kg
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Maximum Static Load (Front/Back)	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa
Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
NOTC	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C
Temperature Coefficients of Isc	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C
Temperature Coefficients of Voc	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C
Temperature Coefficients of Pmax	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C
Load Capacity	1088pcs/20'GP, 2856pcs/40'HQ	1088pcs/20'GP, 2448pcs/40'HQ	1088pcs/20'GP, 2448pcs/40'HQ	680pcs/20'GP, 2244pcs/40'HQ	680pcs/20'GP, 2244pcs/40'HQ

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM = 1.5



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Mini Polycrystalline Solar Module

Specifications & Characteristics

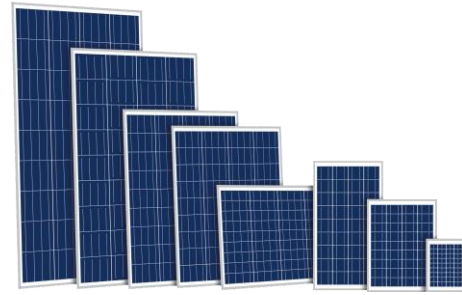
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Model	MY105P6-36	MY110P6-36	MY115P6-36	MY120P6-36	MY125P6-36
Peak Power Watts - Pmax	105Wp	110Wp	115Wp	120Wp	125Wp
Maximum Power Voltage - Vmp	18.2V	17.8V	18.1V	17.8V	17.8V
Maximum Power Current - Imp	5.77A	6.18A	6.35A	6.74A	6.98A
Open Circuit Voltage - Voc	22.6V	21.4V	21.6V	21.4V	21.3V
Short Circuit Current - Isc	6.11A	6.55A	6.73A	7.15A	7.4A
Module Efficiency $\eta_m$	15.7%	14.7%	15.3%	14.3%	14.9%
Cell Size (Poly)	156mm × 104mm	156mm × 117mm	156mm × 117mm	156mm × 130mm	156mm × 130mm
Power Output Tolerance - Pmax	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Numbers of Cells	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)	36pcs (in series)
Module Dimension (L × W × H)	1000mm × 670mm × 30mm	1120mm × 670mm × 30mm	1120mm × 670mm × 30mm	1250mm × 670mm × 30mm	1250mm × 670mm × 30mm
Module Weight	8.0kg	8.6kg	8.6kg	9.6kg	9.6kg
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Maximum Static Load (Front/Back)	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa
Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
NOTC	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C
Temperature Coefficients of Isc	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C
Temperature Coefficients of Voc	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C
Temperature Coefficients of Pmax	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C
Load Capacity	680pcs/20'GP, 2244pcs/40'HQ	680pcs/20'GP, 2040pcs/40'HQ	680pcs/20'GP, 2040pcs/40'HQ	544pcs/20'GP, 1836pcs/40'HQ	544pcs/20'GP, 1836pcs/40'HQ

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM = 1.5



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Mini Polycrystalline Solar Module

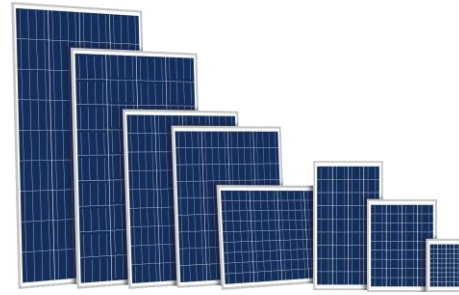
Specifications & Characteristics

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Model	MY130P6-36	MY130P6-32	MY135P6-32	MY140P6-32	MY150P6-36
Peak Power Watts - Pmax	130Wp	130Wp	135Wp	140Wp	150Wp
Maximum Power Voltage - Vmp	18.2V	16.0V	16.1V	16.2V	18.0V
Maximum Power Current - Imp	7.14A	8.13A	8.39A	8.64A	8.33A
Open Circuit Voltage - Voc	21.7V	18.5V	18.8V	19.1V	22.0V
Short Circuit Current - Isc	7.57A	8.62A	8.89A	9.16A	8.83A
Module Efficiency $\eta_m$	15.5%	14.7%	15.3%	15.8%	15.1%
Cell Size (Poly)	156mm × 130mm	156mm × 156mm	156mm × 156mm	156mm × 156mm	156mm × 156mm
Power Output Tolerance - Pmax	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Numbers of Cells	36pcs (in series)	32pcs (in series)	32pcs (in series)	32pcs (in series)	36pcs (in series)
Module Dimension (L × W × H)	1250mm × 670mm × 30mm	1320mm × 670mm × 30mm	1320mm × 670mm × 30mm	1320mm × 670mm × 30mm	1480mm × 670mm × 35mm
Module Weight	9.6kg	10.0kg	10.0kg	10.0kg	12.0kg
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Maximum Static Load (Front/Back)	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa
Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
NOTC	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C
Temperature Coefficients of Isc	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C
Temperature Coefficients of Voc	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C
Temperature Coefficients of Pmax	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C
Load Capacity	544pcs/20'GP, 1836pcs/40'HQ	544pcs/20'GP, 1632pcs/40'HQ	544pcs/20'GP, 1632pcs/40'HQ	544pcs/20'GP, 1632pcs/40'HQ	476pcs/20'GP, 1530pcs/40'HQ

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM = 1.5





Specifications & Characteristics

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Model	MY160P6-36	MY170P6-36	MY200P6-60	MY200P6-72
Peak Power Watts - Pmax	160Wp	170Wp	200Wp	200Wp
Maximum Power Voltage - Vmp	18.2V	18.4V	30.3V	35.8V
Maximum Power Current - Imp	8.79A	9.24A	6.61A	5.59A
Open Circuit Voltage - Voc	22.2V	22.4V	35.7V	43.8V
Short Circuit Current - Isc	9.32A	9.79A	7.22A	5.92A
Module Efficiency $\eta_m$	16.1%	17.1%	15.3%	15.3%
Cell Size (Poly)	156mm × 156mm	156mm × 156mm	156.75mm × 125.5mm	156mm × 104mm
Power Output Tolerance - Pmax	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Numbers of Cells	36pcs (in series)	36pcs (in series)	60pcs (in series)	32pcs (in series)
Module Dimension (L × W × H)	1480mm × 670mm × 35mm	1480mm × 670mm × 35mm	1320mm × 992mm × 35mm	1320mm × 992mm × 35mm
Module Weight	12.0kg	12.0kg	15.0kg	15.0kg
Maximum System Voltage	1000VDC	1000VDC	1000VDC	1000VDC
Maximum Static Load (Front/Back)	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa
Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
NOTC	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C
Temperature Coefficients of Isc	+0.06%/°C	+0.06%/°C	+0.06%/°C	+0.06%/°C
Temperature Coefficients of Voc	-0.35%/°C	-0.35%/°C	-0.35%/°C	-0.35%/°C
Temperature Coefficients of Pmax	-0.4%/°C	-0.4%/°C	-0.4%/°C	-0.4%/°C
Load Capacity	476pcs/20'GP, 1530pcs/40'HQ	476pcs/20'GP, 1530pcs/40'HQ	480pcs/20'GP, 960pcs/40'HQ	480pcs/20'GP, 960pcs/40'HQ

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM = 1.5