

Monocrystalline Solar Panel



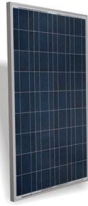
Module	ESM2354 Mono			ESP21054 Poly		
Pmax	230W	220W	210W	200W	210W	200W
Size ang Number of cells	156mm*156mm 54 Pcs/4*9			156mm*156mm 54 Pcs/4*9		
Tolerance	±3%			±3%		
Vmp	27.25V			27.21V		
Imp	8.45A	8.08A	7.71A	7.34A	7.72A	6.99A
Voc	32.5V			32.3V		
Isc	9.28A	8.89A	8.48A	8.08A	8.48A	7.28A
Max.syst.Oper.voltage	1000V			1000V		
Diodes	3 by-pass/6 by-pass			3 by-pass/6 by-pass		
Dimension	1485mm*992mm*50mm			1485mm*992mm*50mm		
Weight	18Kg			18Kg		
Operate Temp.scope	-40/+85°C			-40/+85°C		
Relative humidity	0 to 100%			0 to 100%		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			227g steel ball fall down from 1m height and 60m/s wind		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			Pm is not less than 90% in 10 years and 80% in 25 years		

Monocrystalline Solar Panel



Module	ESM9536 Mono			ESP036 Poly		
Pmax	100W	95W	90W	85W	85W	75W
Size ang Number of cells	125mm*125mm 36 Pcs/4*9			125mm*125mm 36 Pcs/4*9		
Tolerance	±3%			±3%		
Vmp	18.17V			18.05V		
Imp	5.51A	5.23A	4.96A	4.68A	4.71A	4.16A
Voc	21.6V			21.5V		
Isc	6.06A	5.76A	5.45A	5.15A	4.88A	4.56A
Max.syst.Oper.voltage	1000V			1000V		
Diodes	2 by-pass			2 by-pass		
Dimension	1196mm*541mm*35mm			1196mm*541mm*35mm		
Weight	7.8Kg			7.8Kg		
Operate Temp.scope	-40/+85°C			-40/+85°C		
Relative humidity	0 to 100%			0 to 100%		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			227g steel ball fall down from 1m height and 60m/s wind		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			Pm is not less than 90% in 10 years and 80% in 25 years		

Polycrystalline Solar Panel



Module	ESM1536 Mono			ESPT4036 Poly		
Pmax	155W	150W	145W	135W	140W	135W
Size ang Number of cells	156mm*156mm 36 Pcs/4*9			156mm*156mm 36 Pcs/4*9		
Tolerance	±3%			±3%		
Vmp	18.18V			18.11V		
Imp	8.53A	8.26A	7.98A	7.43A	7.74A	7.18A
Voc	21.6V			21.5V		
Isc	9.38A	9.08A	8.78A	8.17A	8.81A	8.20A
Max.syst.Oper.voltage	1000V			1000V		
Diodes	2 by-pass			2 by-pass		
Dimension	1476mm*671mm*35mm			1476mm*671mm*35mm		
Weight	12Kg			12Kg		
Operate Temp.scope	-40/+85°C			-40/+85°C		
Relative humidity	0 to 100%			0 to 100%		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			227g steel ball fall down from 1m height and 60m/s wind		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			Pm is not less than 90% in 10 years and 80% in 25 years		

Polycrystalline Solar Panel



Module	ESM2572 Mono			ESP11072 Poly		
Pmax	130W	125W	120W	115W	110W	95W
Size ang Number of cells	125mm*83mm 72 Pcs/6*12			125mm*83mm 72 Pcs/6*12		
Tolerance	±3%			±3%		
Vmp	35.6V			35.4V		
Imp	3.66A	3.52A	3.38A	3.24A	3.11A	2.89A
Voc	43.2V			43.1V		
Isc	4.01A	3.86A	3.71A	3.55A	3.37A	3.11A
Max.syst.Oper.voltage	1000V			1000V		
Diodes	3 by-pass			3 by-pass		
Dimension	1100mm*808mm*35mm			1100mm*808mm*35mm		
Weight	10.5Kg			10.5Kg		
Operate Temp.scope	-40/+85°C			-40/+85°C		
Relative humidity	0 to 100%			0 to 100%		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			227g steel ball fall down from 1m height and 60m/s wind		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			Pm is not less than 90% in 10 years and 80% in 25 years		

Monocrystalline Solar Panel



Module	ESM10036 Mono			ESP0636 Poly		
Pmax	105W	100W	95W	90W	90W	80W
Size ang Number of cells	156mm*104mm 36 Pcs/4*9			156mm*104mm 36 Pcs/4*9		
Tolerance	±5%			±5%		
Vmp	18.1V			18.0V		
Imp	5.81A	5.53A	5.25A	4.98A	5.01A	4.45A
Voc	21.6V			21.6V		
Isc	6.38A	6.08A	5.78A	5.47A	5.81A	5.19A
Max.syst.Oper.voltage	1000V			1000V		
Diodes	2 by-pass			2 by-pass		
Dimension	1025mm*671mm*35mm			1025mm*671mm*35mm		
Weight	8.3Kg			8.3Kg		
Operate Temp.scope	-40/+85°C			-40/+85°C		
Relative humidity	0 to 100%			0 to 100%		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			227g steel ball fall down from 1m height and 60m/s wind		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			Pm is not less than 90% in 10 years and 80% in 25 years		

Monocrystalline Solar Panel



Module	ESM10036 Mono			ESP0636 Poly		
Pmax	65W	60W	55W	55W	50W	45W
Size ang Number of cells	125mm*83mm 36 Pcs/4*9			125mm*83mm 36 Pcs/4*9		
Tolerance	±3%			±3%		
Vmp	17.6V			17.5V		
Imp	3.70A	3.41A	3.13A	3.15A	2.88A	2.58A
Voc	21.6V			21.6V		
Isc	4.07A	3.75A	3.45A	3.48A	3.15A	2.83A
Max.syst.Oper.voltage	1000V			1000V		
Diodes	1 by-pass			1 by-pass		
Dimension	835mm*540mm*35mm			835mm*540mm*35mm		
Weight	5.5Kg			5.5Kg		
Operate Temp.scope	-40/+85°C			-40/+85°C		
Relative humidity	0 to 100%			0 to 100%		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			227g steel ball fall down from 1m height and 60m/s wind		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			Pm is not less than 90% in 10 years and 80% in 25 years		

Polycrystalline Solar Panel



Module	ESM10036 Mono			ESP0636 Poly		
Pmax	105W	100W	95W	90W	85W	80W
Size ang Number of cells	156mm*52mm 36 Pcs/4*9			156mm*52mm 36 Pcs/4*9		
Tolerance	±5%			±5%		
Vmp	18.1V			18.0V		
Imp	5.81A	5.53A	5.25A	4.98A	5.01A	4.45A
Voc	21.6V			21.6V		
Isc	6.38A	6.08A	5.78A	5.47A	5.81A	5.19A
Max.syst.Oper.voltage	1000V			1000V		
Diodes	2 by-pass			2 by-pass		
Dimension	1025mm*671mm*35mm			1025mm*671mm*35mm		
Weight	8.3Kg			8.3Kg		
Operate Temp.scope	-40/+85°C			-40/+85°C		
Relative humidity	0 to 100%			0 to 100%		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			227g steel ball fall down from 1m height and 60m/s wind		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			Pm is not less than 90% in 10 years and 80% in 25 years		

Polycrystalline Solar Panel



Module	ESM10036 Mono			ESP0636 Poly		
Pmax	50W	45W	45W	45W	40W	40W
Size ang Number of cells	156mm*52mm 36 Pcs/2*18			156mm*52mm 36 Pcs/2*18		
Tolerance	±3%			±3%		
Vmp	17.3V			17.2V		
Imp	2.90A	2.61A	2.62A	2.62A	2.33A	2.33A
Voc	21.6V			21.6V		
Isc	3.18A	2.87A	2.88A	2.88A	2.56A	2.56A
Max.syst.Oper.voltage	1000V			1000V		
Diodes	1 by-pass			1 by-pass		
Dimension	1025mm*348mm*30mm			1025mm*348mm*30mm		
Weight	4.7Kg			4.7Kg		
Operate Temp.scope	-40/+85°C			-40/+85°C		
Relative humidity	0 to 100%			0 to 100%		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			227g steel ball fall down from 1m height and 60m/s wind		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			Pm is not less than 90% in 10 years and 80% in 25 years		