



ER200FSP



AM=1.5, Irradiation:1000W/m², Temperature: 25°C



ER140 & 160FSP

AM=1.5, Irradiation:1000W/m², Temperature: 25°C



ER100FSP

AM=1.5, Irradiation:1000W/m², Temperature: 25°C

Electrical Property (STC)	Nominal Power	200W
	Voc	23.76V
	Isc	11.11A
	Vmp	19.8V
	Imp	10.1A
	Efficiency	21.6%
	Tolerance	0~+5W
	Maximum system voltage	1500V DC
	Wind/snow pressure	2400mpa/5400mpa
	Dimension	1065mm*1045mm

Structural property	Thickness	3mm
	Weight	3.8kg
	Cell	Mono166*166mm, 36pcs (6*6)
	Junction box	IP68 (3 bypass diodes), MC4 compatible connectors
	Connector	44.0mm ² (IEC) Conductor length: (+)250mm, (-)350mm, conductor length can be customized
	Dimension	1065mm*1045mm
	Thickness	3mm
	Weight	2.95kg
	Cell	Mono 182*60mm, 64(4*16)
	Junction box	IP68 (3 bypass diodes), MC4 compatible connectors

Electrical Property (STC)	Nominal Power	140W-Mono	160-Mono
	Voc	19.8V	19.8V
	Isc	6.05A	9.76A
	Vmp	18V	18V
	Imp	5.5A	8.88A
	Efficiency	20.5%	20.5%
	Tolerance	0~+5W	
	Dimension	1070*796mm	1040*890
	Thickness	3mm	3mm
	Weight	2.95kg	3.35kg

Structural property	Cell	Mono 166*166mm, 30(3*6)
	Junction box	IP68 (3 bypass diodes), MC4 compatible connectors
	Connector	44.0mm ² (IEC) Conductor length: (+)250mm, (-)350mm, conductor length can be customized
	Dimension	1175x540mm
	Thickness	2.5mm
	Weight	2.25kg
	Cell	Mono 166*83mm, 36(3*12)
	Junction box	IP68 (3 bypass diodes), MC4 compatible connectors
	Connector	44.0mm ² (IEC) Conductor length: (+)250mm, (-)350mm, conductor length can be customized
	Dimension	1050x540mm

Company Certificate



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FLEXIBLE SOLAR PANEL 柔性太阳能板



Henan Ericosity Green Energy Technology Ltd.
河南光信能源科技有限公司



ER375FSP

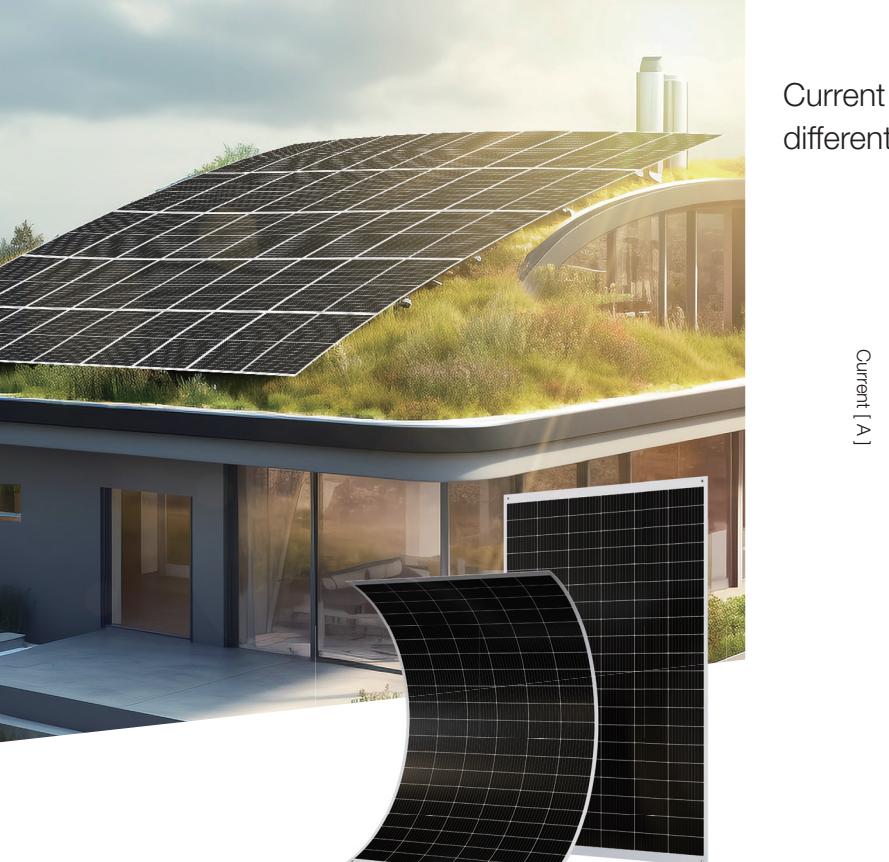
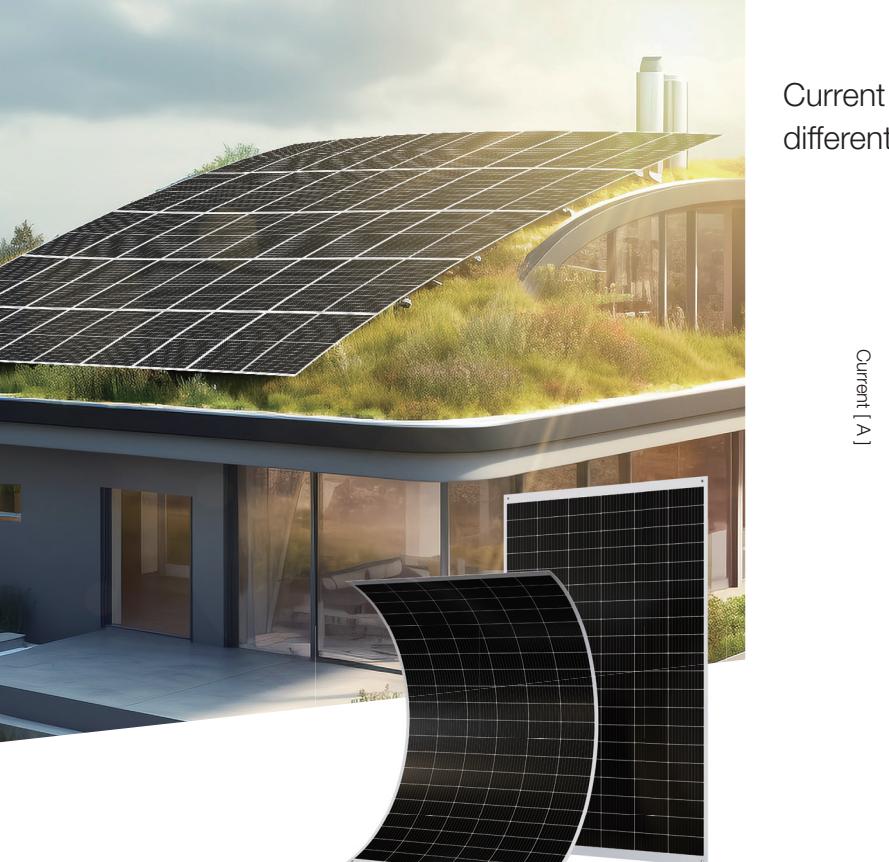
AM=1.5, Irradiation:1000W/m², Temperature: 25°C
Irradiation:800W/m², Temperature: 20°C

Electrical Property (STC)	Nominal Power	370W	375W	380W
	Voc	41.35V	41.40V	41.66V
	Isc	11.37A	11.49A	11.62A
	Vmp	35.12V	35.21V	35.65V
	Imp	10.53A	10.65A	10.66A
	Efficiency	21.6%	21.9%	22.2%
Electrical Property (NMOT)	Voc	39.79V	39.88V	39.97V
	Isc	9.18A	9.28A	9.38A
	Vmp	33.19V	33.29V	33.41V
	Imp	8.25A	8.35A	8.41A
	Efficiency	21.6%	21.9%	22.2%
	Tolerance	0~+5W		
Structural Property	Maximum system voltage	1500V DC		
	Maximum rated fuse current	20A		
	Dimension	1755mm*1041mm		
	Thickness	2.2mm		
	Weight	5.0kg		
	Cell	Mono166*83mm, 120 (6*20)		
Junction box	IP68 (3 bypass diodes), MC4 compatible connectors			
	44.0mm ² (IEC) Conductor length: (+)250mm, (-)350mm, conductor length can be customized			
Connector				

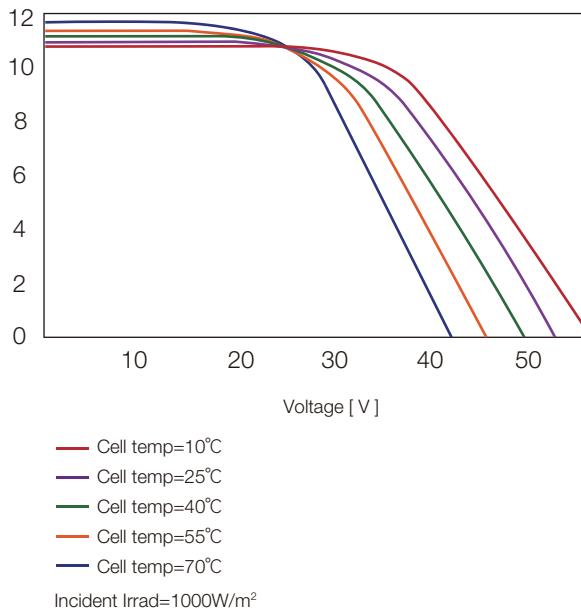
ER405FSP

AM=1.5, Irradiation:1000W/m², Temperature: 25°C

Electrical Property (STC)	Nominal Power	390W	405W	410W
	Voc	89.892V	91.08V	98.2V
	Isc	5.52A	5.57A	5.17
	Vmp	77.22V	78.4V	86.2V
	Imp	5.155A	5.3A	4.89A
	Efficiency	21.6%	22%	22.2%
Electrical Property (NMOT)	Voc	39.79V	39.88V	39.97V
	Isc	9.18A	9.28A	9.38A
	Vmp	33.19V	33.29V	33.41V
	Imp	8.25A	8.35A	8.41A
	Efficiency	21.6%	21.9%	22.2%
	Tolerance	0~+5W		
Structural Property	Maximum system voltage	1500V DC		
	Maximum rated fuse current	20A		
	Dimension	1940mm*1040mm		
	Thickness	3mm		
	Weight	6.4kg		
	Cell	Mono166*83mm, 132 (6*22)		
Junction box	IP68 (3 bypass diodes), MC4 compatible connectors			
	44.0mm ² (IEC) Conductor length: (+)250mm, (-)350mm, conductor length can be customized			
Connector				



Current and voltage curves at different temperatures



Incident Irrad=1000W/m²

Cell temp=10°C

Cell temp=25°C

Cell temp=40°C

Cell temp=55°C

Cell temp=70°C

Incident Irrad=1000W/m²

Cell temp=10°C

Cell temp=25°C

Cell temp=40°C

Cell temp=55°C

Cell temp=70°C

Incident Irrad=1000W/m²

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Incident Irrad=1000W/m²

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Cell temp=25°C

Cell temp=40°C

Cell temp=55°C

Cell temp=70°C

Incident Irrad=1000W/m²

Cell temp=10°C

Cell temp=25°C

Cell temp=40°C

Cell temp=55°C

Cell temp=70°C

Incident Irrad=1000W/m<