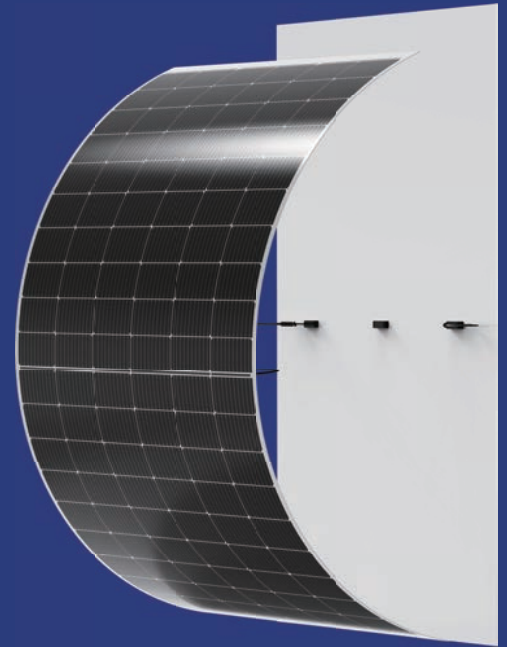




Lightweight flexible series

Greatly reduce the weight of the product and
reduce installation costs

430W-445W



• Main Features

- Lightweight, ultra-high flexibility, easy installation
- Fitting loss reduction for higher power
- Competitive Low Light Performance
- Reduces power loss by minimizing the effects of shadow occlusion
- Through strict weather resistance test, it proves its superior and reliable performance:
 - Dust, acid and alkali resistance, salt spray resistance
 - Anti-PID
 - Anti-hail impact

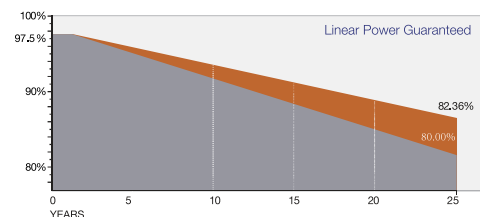
• Quality System

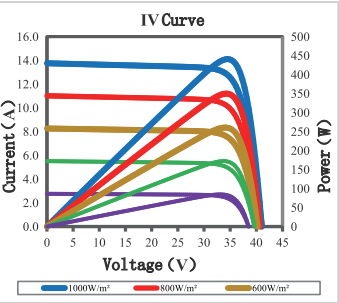
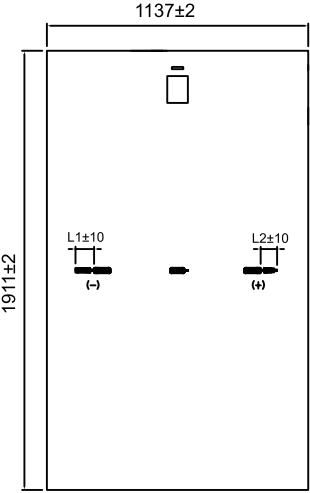
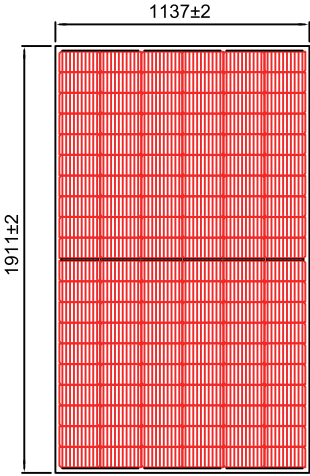
ISO9001
ISO14001
ISO45001

• Product Certificate



• Product Guarantee





Electrical Performance Parameters

Specification	ER430FSP-1		ER435FSP-1		ER440FSP-1		ER445FSP-1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Nominal Power (P_{mp})	430W	320W	435W	324W	440W	327W	445W	331W
Voc (V_{oc})	41.43V	38.60V	41.58V	38.57V	41.73V	38.89V	41.88V	39.03V
Isc (I_{sc})	13.62A	10.99A	13.69A	11.05A	13.76A	11.11A	13.83A	11.16A
Vmp (V_{mp})	34.18V	32.40V	34.33V	32.54V	34.48V	32.68V	34.63V	32.82V
Imp (I_{mp})	12.60A	9.88A	12.68A	9.96A	12.77A	10.01A	12.86A	10.09A
Efficiency (η_a)	19.8%		20.0%		20.3%		20.5%	
Tolerance				0 ~ +5W				
Maximum system voltage				1500V DC				
Maximum rated fuse current				25A				

STC:AM=1.5, Irradiation:1000W/m², Temperature:25°C
NOCT: Irradiation:800W/m², Temperature:20°C, Air Speed:1m/s

Structural Properties

Dimension	1911mm*1137mm
Thickness	3.0mm
Weight	8.3kg
Solar cell	Mono/120 (6*20) 182*91mm
Junction box	MC4, 3*bypass diodes
Waterproof	IP67
Output conductor	4.0mm ² (IEC) Length:(+30cm,(-)30cm

Temperature Property

Maximum power temperature coefficient	-0.35 %/°C
Open circuit voltage temperature coefficient	-0.26 %/°C
Short circuit current temperature coefficient	+0.047 %/°C
Operating temperature	-40 ~ +85 °C
Module Nominal Operating Temperature	45 ± 2 °C

Packing

Container	Pcs/Box	No. of Box	Pcs of 40HQ Container
40HQ	68pcs	24	1632pcs

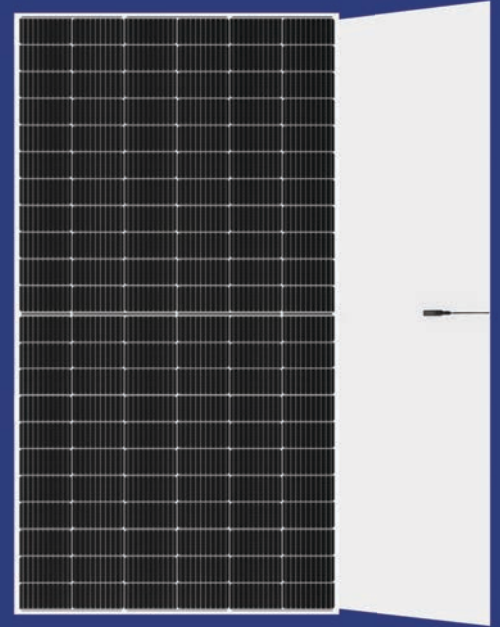




Lightweight flexible series

Greatly reduce the weight of the product and
reduce installation costs

465W-485W



• Main Features

- Lightweight, ultra-high flexibility, easy installation
- Fitting loss reduction for higher power
- Competitive Low Light Performance
- Reduces power loss by minimizing the effects of shadow occlusion
- Through strict weather resistance test, it proves its superior and reliable performance:
 - Dust, acid and alkali resistance, salt spray resistance
 - Anti-PID
 - Anti-hail impact

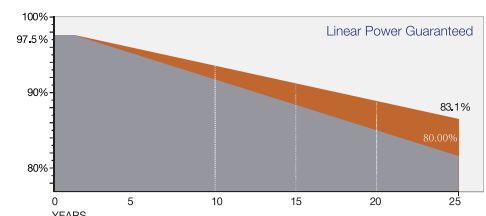
• Quality System

ISO9001
ISO14001
ISO45001

• Product Certificate



• Product Guarantee

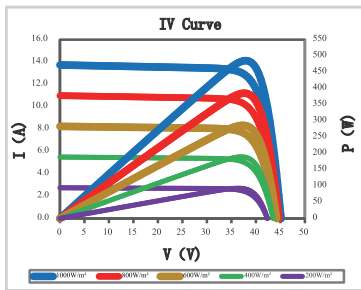
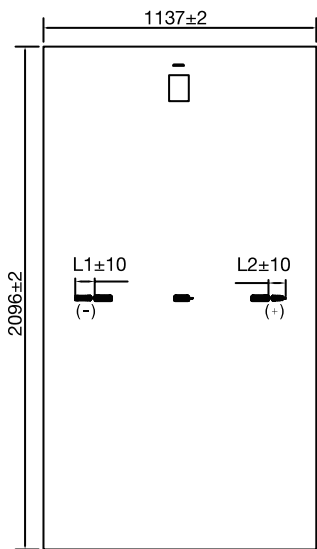
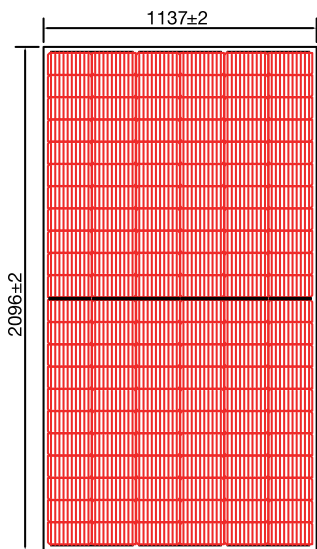


Product quality and process
assurance



Linear Power Guaranteed





Electrical Performance Parameters

Specification	ER465FSP-1		ER470FSP-1		ER475FSP-1		ER480FSP-1		ER485FSP-1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	465W	346W	470W	350W	475W	353W	480W	357W	485W	361W
Open Circuit Voltage	45.20V	42.18V	45.35V	42.32V	45.50V	42.46V	45.65V	42.60V	45.80V	42.70V
Short Circuit Current	13.44A	10.85A	13.51A	10.90A	13.58A	10.96A	13.65A	11.02A	13.73A	11.08A
Max Power Voltage	37.32V	35.37V	37.47V	35.51V	37.62V	35.66V	37.77V	35.80V	37.92V	35.90V
Max Power Current	12.48A	9.78A	12.56A	9.86A	12.64A	9.90A	12.72A	9.97A	12.80A	10.06A
Module Efficiency STC	19.5%		19.7%		19.9%		20.1%		20.4%	
Power Tolerance	0~+5W									
Maximum System Voltage	1500V DC									
Max Series Fuse Rating	25A									

STC:AM=1.5, Irradiation:1000W/m², Temperature:25°C
NOCT: Irradiation:800W/m², Temperature:20°C, Air Speed:1m/s

Mechanical Specifications

Dimension	2096×1137×3mm
Weight	Enhanced 8.3kg;
Solar Cell	Mono crystalline 182*91,132(6*22)
Frame	/
Glass	/
Junction Box	IP68,3 diodes,MC4 compatible
Output Cables	4.0mm ² (IEC),300mm(+)/300mm(-) or Customized

Temperature Property

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Sc Temperature Coefficient	+0.047 %/°C
Operating Temperature	-40 ~ +85 °C
Nominal module operation temperature	45 ± 2 °C

Packing

Loading unit	Pcs/Pallet	Pallet Quantity	Pcs of 40HQ Container
40HQ	68	22	1469

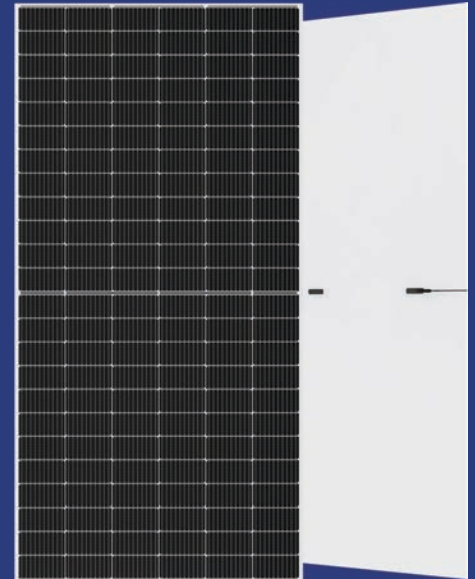




Lightweight flexible series

Greatly reduce the weight of the product and
reduce installation costs

515W-535W



• Main Features

- Lightweight, ultra-high flexibility, easy installation
- Fitting loss reduction for higher power
- Competitive Low Light Performance
- Reduces power loss by minimizing the effects of shadow occlusion
- Through strict weather resistance test, it proves its superior and reliable performance:
 - Dust, acid and alkali resistance, salt spray resistance
 - Anti-PID
 - Anti-hail impact

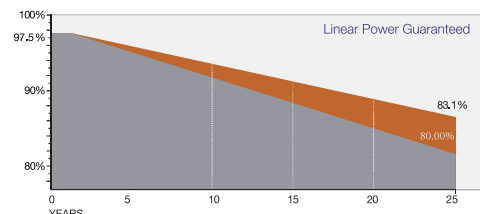
• Quality System

ISO9001
ISO14001
ISO45001

• Product Certificate



• Product Guarantee

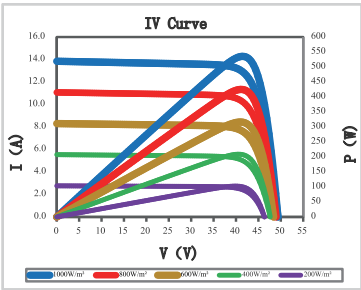
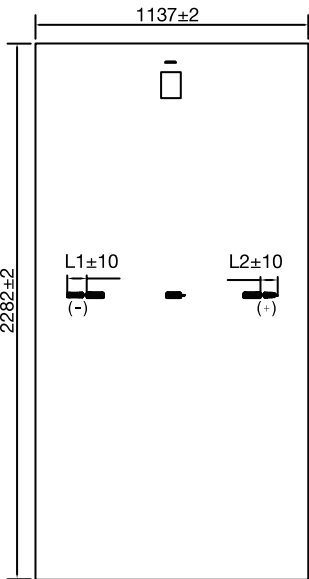
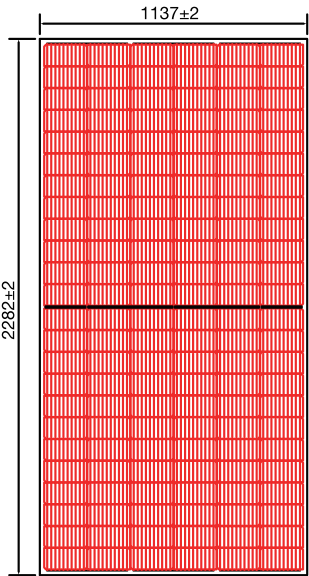


Product quality and process
assurance



Linear Power Guaranteed





Electrical Performance Parameters

Specification	ER515FSP-1		ER520FSP-1		ER525FSP-1		ER530FSP-1		ER535FSP-1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	515W	383W	520W	387W	525W	391W	530W	394W	535W	398W
Open Circuit Voltage	49.45V	46.21V	49.60V	46.35V	49.75V	46.49V	49.90V	46.63V	50.05V	46.77V
Short Circuit Current	13.56A	10.94A	13.63A	11.00A	13.70A	11.06A	13.76A	11.11A	13.83A	11.16A
Max Power Voltage	40.90V	38.77V	41.05V	38.91V	41.20V	39.05V	41.35V	39.19V	41.50V	39.33V
Max Power Current	12.61A	9.88A	12.68A	9.95A	12.75A	10.01A	12.83A	10.05A	12.90A	10.12A
Module Efficiency STC	19.8%		20.0%		20.2%		20.4%		20.6%	
Power Tolerance	0~+5W									
Maximum System Voltage	1500V DC									
Max Series Fuse Rating	25A									

STC:AM=1.5, Irradiation:1000W/m², Temperature:25°C
NOCT: Irradiation:800W/m², Temperature:20°C, Air Speed:1m/s

Mechanical Specifications

Dimension	2282×1137×3mm
Weight	Enhanced 9.0kg;
Solar Cell	Mono crystalline 182×91, 144(6×24)
Frame	/
Glass	/
Junction Box	IP68, 3 diodes, MC4 compatible
Output Cables	4.0mm²(IEC), 300mm(+)/300mm(-) or Customized

Temperature Property

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Sc Temperature Coefficient	+0.047 %/°C
Operating Temperature	-40 ~ +85 °C
Nominal module operation temperature	45 ± 2 °C

Packing

Loading unit	Pcs/Pallet	Pallet Quantity	Pcs of 40HQ Container
40HQ	68	20	1360

