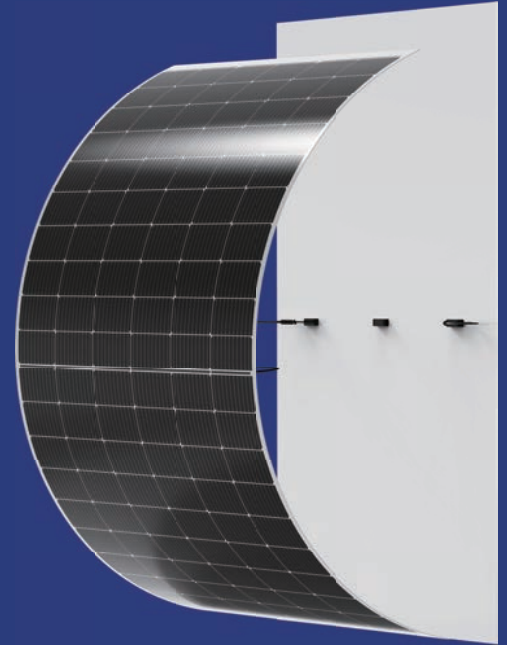


Lightweight flexible series

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

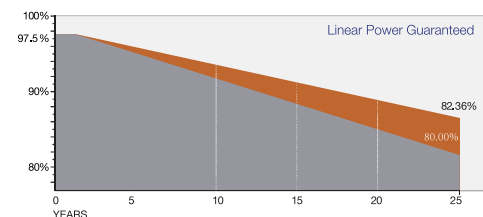
• Quality System

ISO9001
ISO14001
ISO45001

• Product Certificate

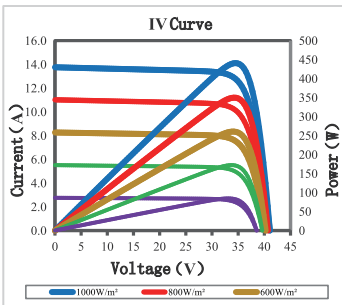
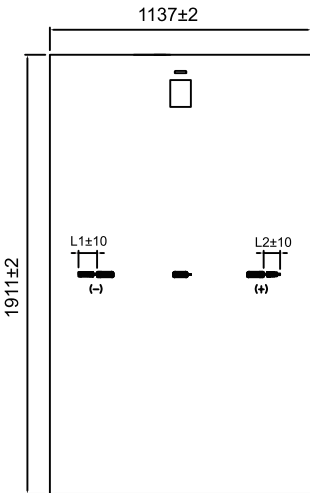
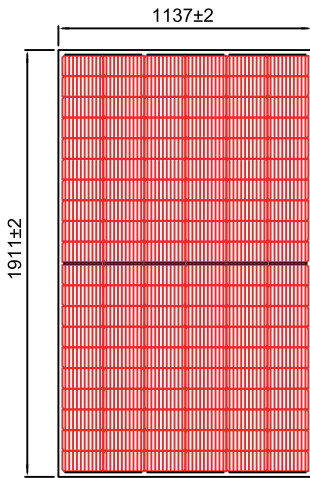


• Product Guarantee



Tel / +86 131 3771 8313, +86 188 3741 8885
E-Mail / info@ericcity.com
Web / www.ericcity.com

©2024 Ericcity. All rights reserved. Specifications subject to technical changes. Version number. 2024/03



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_p)	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

