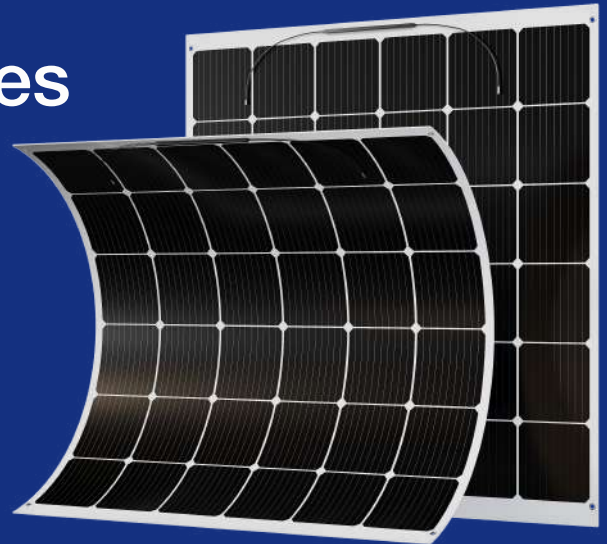


# Lightweight flexible series

Greatly reduce the weight of the product and reduce installation costs

# 140-160W



## • 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

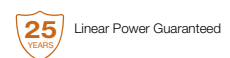
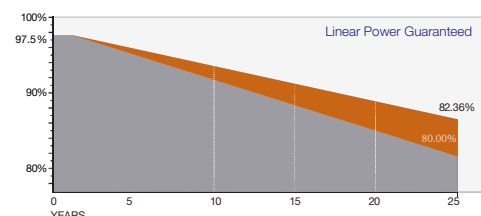
## • Quality System

ISO9001  
ISO14001  
ISO45001

## • Product Certificate

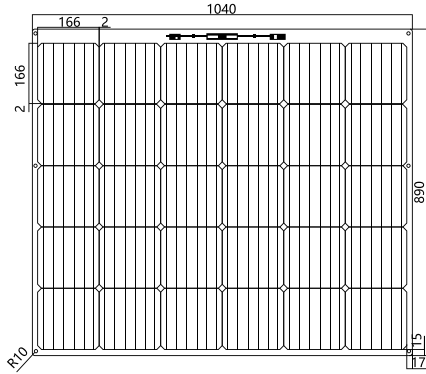


## • Product Guarantee



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

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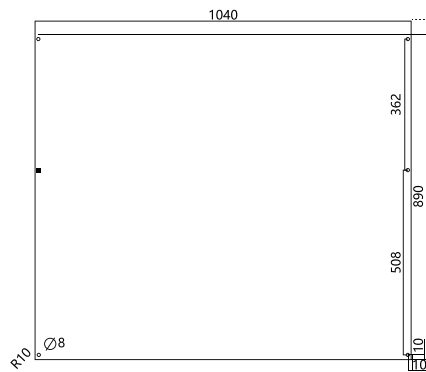
### Electrical Performance Parameters

Specification	ER140FSP-1	ER160FSP-1
Nominal Power ( $P_{m0}$ )	140W-Mono	160W-Mono
Voc ( $V_{oc}$ )	19.8V	19.8V
Isc ( $I_{sc}$ )	6.05A	9.76A
Vmp ( $V_{mp}$ )	18V	18V
Imp ( $I_{mp}$ )	5.5A	8.88A
Efficiency ( $\eta_p$ )	20.5%	20.5%
Tolerance	0~+5W	0~+5W

STC:AM=1.5, Irradiation:1000W/m<sup>2</sup>, Temperature:25°C

### Structural Properties

Specification	ER140FSP-1	ER160FSP-1
Dimension	1070*796mm	1040*890mm
Thickness	3mm	3mm
Weight	2.95kg	3.35kg
Solar panel cell	Mono 182*60mm, 64(4*16)	Mono 166*166mm, 30(5*6)
Junction box	IP68 (3 bypass diodes), MC4 compatible connectors	
Output conductor	44.0mm <sup>2</sup> (IEC) Conductor length: (+)250mm, (-)350mm, conductor length can be customized	



### 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 (NMOT)	44 ± 2 °C

### Temperature Property

Container	Pcs/Box	No. of Box	Pcs of 40HQ Container
40HQ	50pcs	40	2000pcs

