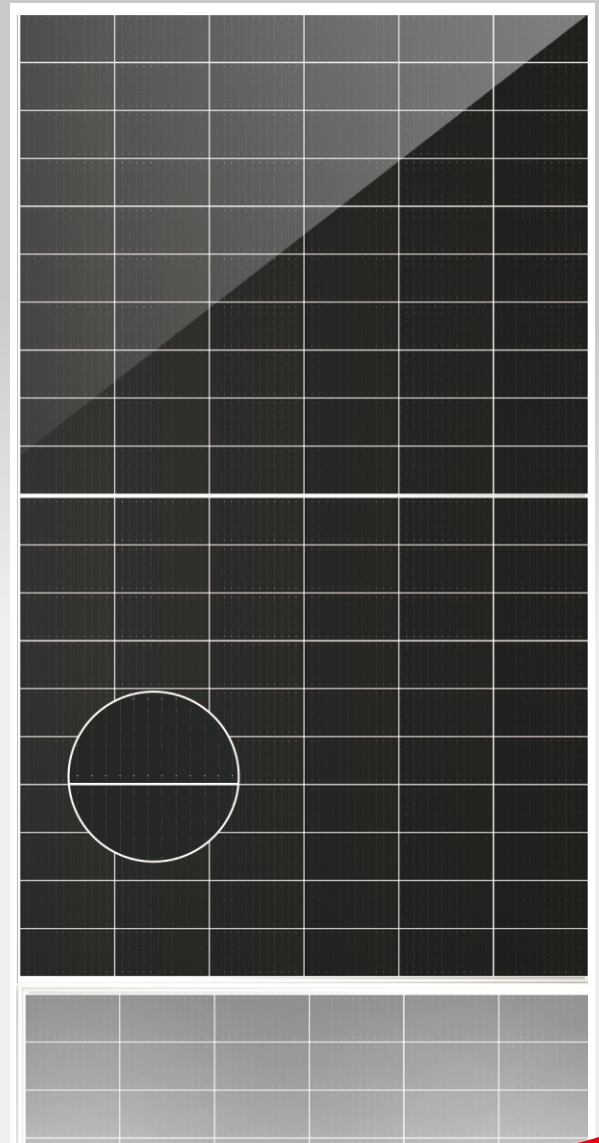


# Zur1Pro

## 395-415W

High efficiency monocrystalline module

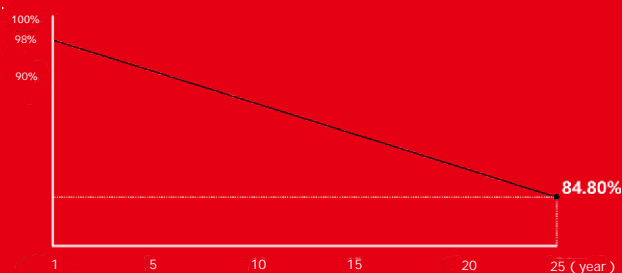
- Using 182 multi bus bar efficient monocrystalline silicon cells, the output power reaches 415W with a conversion efficiency reaching 21.25%!
- Compact dimensions with less than 2 square meters for easy installation.
- Weighing 21kg it can be easily carried by one person.
- Fully automatic production line with full quality inspection to ensure product assurance
- The Components are resisting wind loads of 2400pa and snow loads of 5400pa



**25** YEAR LINEARITY  
POWER  
OUTPUT WARRANTY

**15** YEARS OF EXCELLENT  
PRODUCTS MATERIAL  
AND PROCESS WARRANTY

### 25 YEAR EXCESS LINEAR POWER OUTPUT WARRANTY



The power attenuation shall not exceed 1% in the first year and 0.4% in the following years.

### COMPLETE QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION



IEC 61215, IEC 61730  
ISO 9001: Quality Management System  
ISO 14001: Environmental Management System  
ISO 45001: Occupational Health And Safety Management System

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Timah Shopping Center, Singapore

## Zur1Pro 410-435W

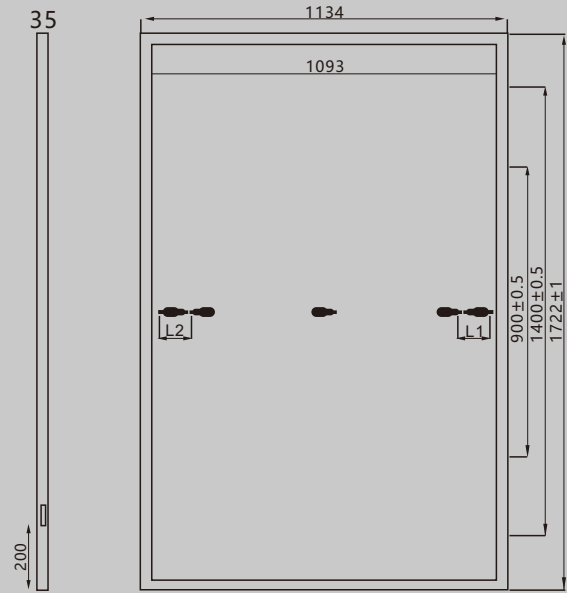
Maximum efficiency	Power tolerance	Highest component conversion efficiency	First year attenuation	Decay over the years
<b>435W</b>	<b>0~ +5W</b>	<b>22.28%</b>	<b>≤1.0%</b>	<b>≤0.4%</b>

### MECHANICAL PROPERTIES

Battery type	Monocrystalline
Component weight	21kg
Component Size	1722x1134x35mm
Number of Cells	108(6x18)
Cable cross-sectional area	4mm <sup>2</sup>
Junction Box	P68, 3 diodes
Connector	MC4 compatible connector
Packaging information	31/36 pieces per pallet

### WORKING PARAMETERS

Maximum system voltage	1500V (TUV)
Operating temperature	-40°C~+85°C
Maximum fuse current rating	25A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
nominal battery operating temperature	45+2°C
Application Level	classA



### TEMPERATURE CHARACTERISTICS

Power	-0.350%/°C
Open circuit voltage	-0.274%/°C
Short-circuit current	-0.044%/°C

### ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Model	Zur1Pro -395	Zur1Pro -400	Zur1Pro -405	Zur1Pro -410	Zur1Pro -415
Maximum power (W)	395	400	405	410	415
Voltage at maximum power point (VMPV)	30.71	31.01	31.31	31.60	31.89
Current at maximum power point (IMP/A)	12.86	12.90	12.94	12.97	13.01
Open circuit voltage (VOCN)	36.72	37.24	37.24	37.50	37.73
Short circuit current (ISC/A)	13.67	37.24	13.81	13.88	13.95
Component efficiency [%]	20.23%	20.48%	20.74%	21.00%	21.25%
Power tolerance (W)	0~+5				
Standard test environment	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C spectrum AM1.5				

Note: Due to continuous innovation, research and product upgrading, the parameters in this specification are not just a component, but can only be used for comparison between different types.

### ELECTRICAL PERFORMANCE PARAMETERS UNDER NOCT

Model	Zur1Pro -395	Zur1Pro -400	Zur1Pro -405	Zur1Pro -410	Zur1Pro -415
Maximum power (W)	294	298	301	305	309
Voltage at maximum power point (Vmp)[V]	28.70	28.99	29.29	29.60	29.88
Current at maximum power point (Imp)[A]	10.24	10.27	10.29	10.31	10.33
Open circuit voltage (Voc)[V]	34.71	34.94	35.14	35.35	35.55
Short circuit current (Isc)[A]	11.37	11.43	11.50	11.58	11.65
Nominal cell operating temperature(NOCT)	Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, spectrum AM1.5G, wind speed 1m/s				