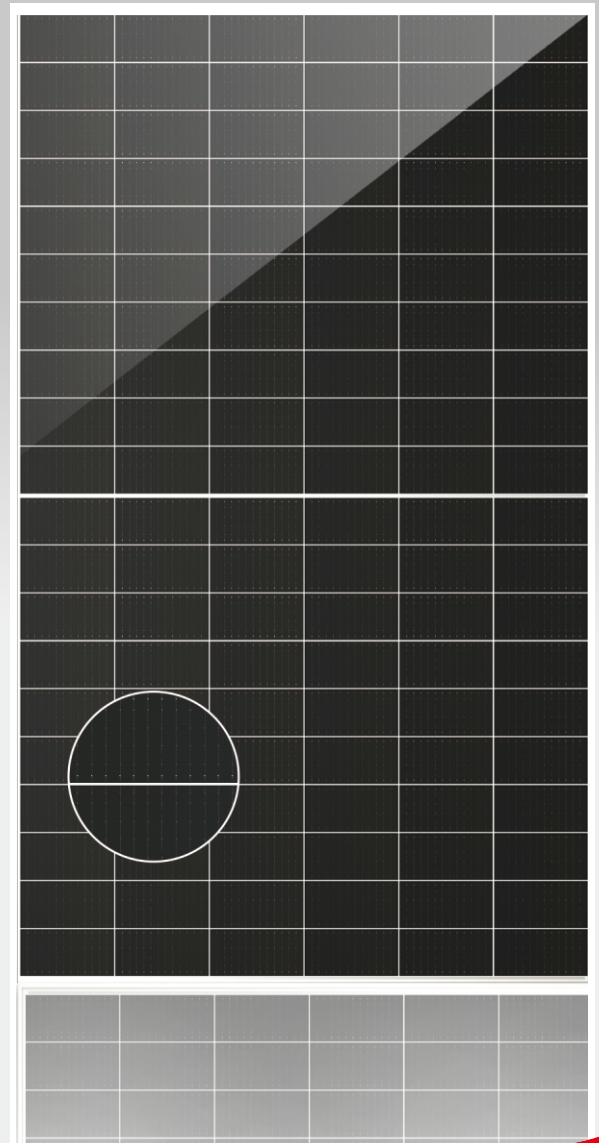


# Zur4Pro 585-610W

High efficiency monocrystalline module

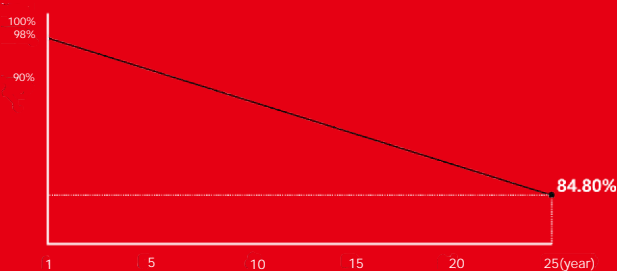
- Using 210, 12BB efficient monocrystalline silicon cells, the output power reaches 610W, with a conversion efficiency reaching 21.55%!
- High power module designed for large and medium scale solar power station project, striving for high efficiency
- Fully automatic production line with full quality inspection to ensure product assurance
- The Components are resisting wind loads of 2400pa and snow loads of 5400pa



**25 YEAR** 25 YEAR LINEARITY POWER OUTPUT WARRANTY

**15 YEAR** 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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## Zur4Pro 585-610W

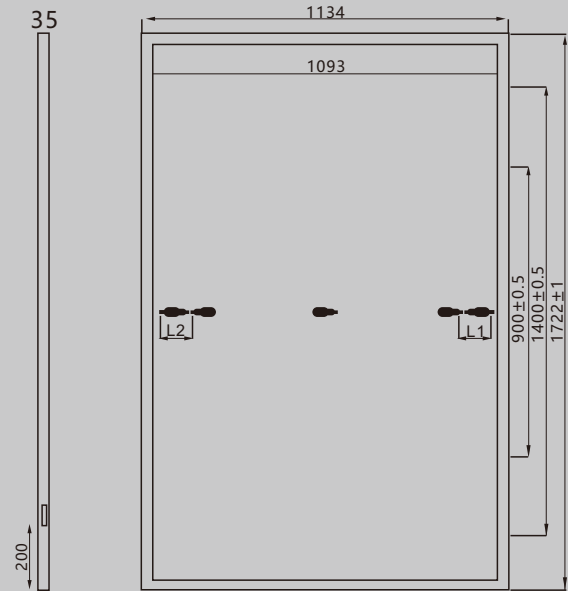
Maximum efficiency	Power tolerance	Highest component conversion efficiency	First year attenuation	Decay over the years
<b>610W</b>	<b>0~ + 5W</b>	<b>21.55%</b>	<b>≤2.0%</b>	<b>≤0.55%</b>

### MECHANICAL PROPERTIES

Battery type	Monocrystalline
Component weight	30kg
Component Size	2172x1303x35mm
Number of Cells	120(6x20)
Cable cross-sectional area	4mm <sup>2</sup>
Junction Box	P68, 3 diodes
Connector	MC4 compatible connector
Packaging information	31 pieces per pallet

### WORKING PARAMETERS

Maximum system voltage	1500V (TUV)
Operating temperature	-40°C~+85°C
Maximum fuse current rating	30A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
nominal battery operating temperature	45+2°C
Application Level	ClassA



### TEMPERATURE CHARACTERISTICS

Power	-0.340%/°C
Open circuit voltage	-0.253%/°C
Short-circuit current	-0.040%/°C

### ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Model	Zur4Pro -585	Zur4Pro -590	Zur4Pro -595	Zur4Pro -600	Zur4Pro -605	Zur4Pro -610
Maximum power (W)	585	590	595	600	605	610
Voltage at maximum power point (VMPV)	34.13	34.34	34.55	34.75	34.96	35.18
Current at maximum power point (IMP/A)	17.14	17.18	17.22	17.27	17.31	17.34
Open circuit voltage (VOCN)	41.02	41.22	41.42	41.62	41.82	42.02
Short circuit current (ISC/A)	18.13	18.18	18.23	18.28	18.33	18.38
Component efficiency [%]	20.67%	20.85%	21.02%	21.20%	21.38%	21.55%
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	Zur4Pro -585	Zur4Pro -590	Zur4Pro -595	Zur4Pro -600	Zur4Pro -605	Zur4Pro -610
Maximum power (W)	436	440	444	447	451	455
Voltage at maximum power point (Vmp)[V]	31.63	31.84	32.04	32.25	32.46	32.68
Current at maximum power point (Imp)[A]	13.79	13.82	13.85	13.87	13.90	13.92
Open circuit voltage (Voc)[V]	37.76	37.99	38.21	38.41	38.61	38.83
Short circuit current (Isc)[A]	1	14.87	14.92	14.97	15.03	15.08
Nominal cell operating temperature(NOCT)	Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, spectrum AM1.5G, wind speed 1m/s					