

HYDRANGEA

(EUQJH57J | Colored Lightweight)

Flexible, individual, powerful

Colorful with higher Output

as they use particularly developed encapsulant film with a higher light transmittance

More possibilities

because the colours can be determined individually (from a certain quantity)

More aesthetically pleasing

as there are more options in colors with smooth surface, ensuring better constructional integration with buildings

The next level of lightweight photovoltaic – addressing and solving challenges of people and companies which are in need for glass and lightweight photovoltaic by using our innovative PEC and U-IBC technology – while keeping the weight low

- Higher output – 2% more out of every module due to “miss” of busbars in the front of the cell and no shade created
- Higher reliability – as the lower degradation rate, superiority in fire-resistance, excellent performance in dynamic load (wind, snow, hail etc.) make them more durable and reliable
- Higher performance – due to optimized heat transmission using copper



Product Warranty



Linear Performance Warranty

For details regarding tests and certificates please refer to the rear page.

Designed by

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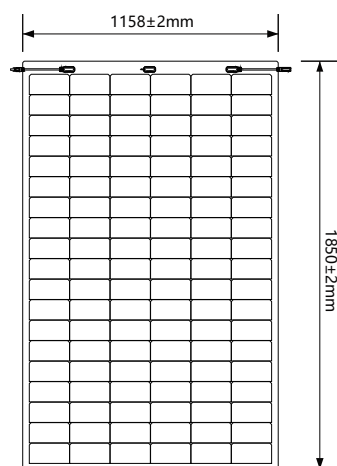
For Cyprus Greece, Ukraine & UAE

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21.2%
MAX MODULE
EFFICIENCY**0~3%**
POWER
TOLERANCE**≤2%**
FIRST YEAR
POWER DEGRADATION**0.55%**
YEAR 2-25
POWER DEGRADATION**U-IBC HALF-CELL**
Lower operating temperature

TYPICAL ELECTRICAL PARAMETERS

Model	Orange				Light Green				Blue/Dark Green			
	EUQJH57J310		EUQJH57J315		EUQJH57J375		EUQJH57J380		EUQJH57J405		EUQJH57J410	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp) /W	310	232	315	236	375	281	380	285	405	304	410	307
Rated Current (Impp) /A	8.90	7.07	8.98	7.14	10.83	8.61	10.96	8.72	11.72	9.34	11.84	9.41
Rated Voltage (Vmpp) / V	34.84	32.82	35.09	33.05	34.66	32.65	34.69	32.68	34.57	32.56	34.65	32.64
Short Circuit Current (Isc) /A	9.44	7.72	9.53	7.80	11.50	9.41	11.64	9.52	12.53	10.25	12.56	10.27
Open Circuit Voltage (Voc) /V	41.05	39.08	41.05	39.22	41.28	39.30	41.30	39.32	41.32	39.34	41.40	39.41
Effective Module Efficiency(η) /%	16.01%		16.26%		19.36%		19.62%		20.91%		21.17%	
STC(Standard Testing Conditions):Irradiance 1000W/m², Air Mass 1.5, Cell Temperature 25°C, Measuring Tolerance ±3%												
NOCT(Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind speed 1m/s												



ABSOLUTE MAXIMUM RATING

Operating Temperature	From -40 to +85 °C
Maximum Series Fuse Rating	25A
Safety Class	II
Fire Rating (IEC 61730)	C
Maximum System Voltage	DC 1500V

MECHANICAL CHARACTERISTICS

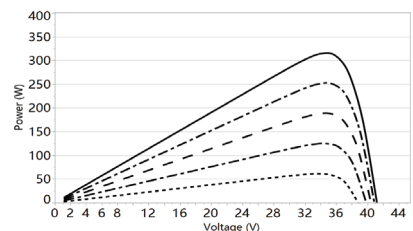
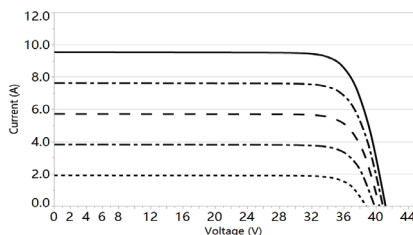
Cell Type	Mono-crystalline U-IBC 182mm×91.9mm,114 (6×19)
Effective Module Dimension(L×W)	1763.6mm×1098.2mm
Dimension (L×W×H)	1850mm x 1158mm x 2mm(72.8x45.6x0.07inches)
Weight	5.2±0.3kg
Cable	4mm ² (IEC), 300mm or customized length
Junction Box	IP 68 with three bypass diodes
Connector	Original MC4

TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.220%/°C
Current Temperature Coefficient	+0.050%/°C
Power Temperature Coefficient	-0.240%/°C
Tolerance	0~+5W
NOCT	43 ± 2 °C

PACKING CONFIGURATION

40'HQ Container	Pallet/container	Piece/container
Pieces (126pcs per pallet)	18 pallet	2268



Test&classifications

- CE passed (according to low voltage directive (LVD) (2014/35/EU)
- Sand/dust: IEC 60068-2-68: 1994 modified
- Salt mist: IEC 61701:2020 / EN IEC 61701:2020
- Potential Induced Degradation (PID): IEC TS 62804-1:2015 modified
- Design qualification
 - IEC 61215-1:2021 / EN IEC 61215-1:2021;
 - IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021;
 - IEC 61215-2:2021 / EN IEC 61215-2:2021;
- Construction requirements&safety
 - IEC 61730-1:2023;
 - IEC 61730-2:2023.
- Ammonia (NH₃): IEC 62716: 2013 / EN 62716: 2013

