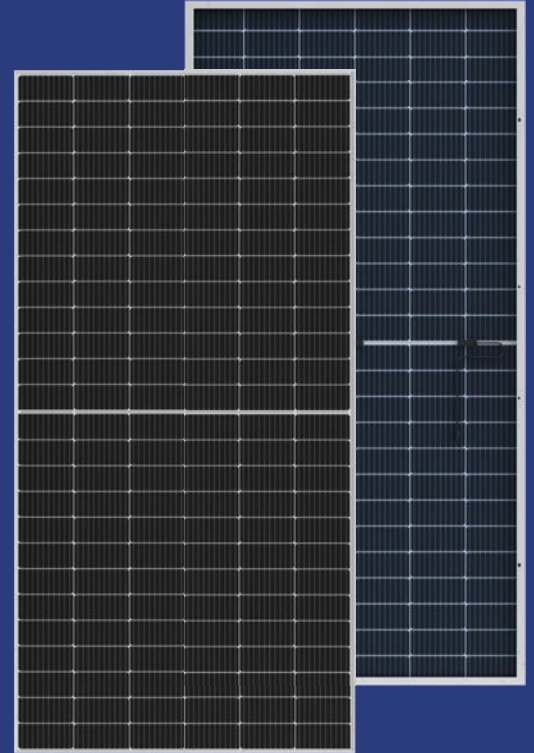










ER635W-182M N-TOPCon Bifacial Solar Modules

Module efficiency up to 22.71%

610W-635W



• Main Features

-  **Higher Power**
Output component power positive tolerances.
-  **Advanced Production Processes**
Optimize the current configuration of the module and increase the power generation capacity of the module.
-  **Multi-busbar Technology**
By improving the light utilization, the power is increased by 2~3% and the efficiency is increased by 0.4~0.6%.
-  **PID**
By optimizing the production process and material control, good anti-PID performance is guaranteed.
-  **Low-light Performance**
Excellent performance in low-light conditions.
-  **Withstands Harsher Environments**
Through 2400Pa wind load and 5400Pa snow load.
-  **Durability In Extreme Environmental Conditions**
High salt spray and ammonia resistance certified by TUV NORD.
-  **EL Full Inspection**
Two EL tests ensure component quality.

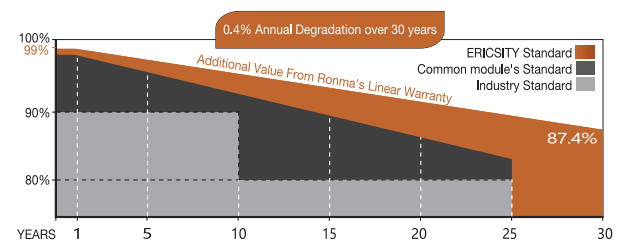
• Quality System

EC61215/IEC61730/IEC61701/IEC62716
ISO9001/ISO14001/ISO14064
OHSAS18001

• Product Certificate



• Power Output



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ELECTRICAL DATA(STC)

Model Type	ER610W-182M	ER615W-182M	ER620W-182M	ER625W-182M	ER630W-182M	ER635W-182M
Rated Power in Watts-Pmax(Wp)	610	615	620	625	630	635
Open Circuit Voltage-Voc(V)	55.31	55.44	55.58	55.72	55.90	56.10
Short Circuit Current-Isc(A)	14.03	14.11	14.19	14.27	14.35	14.40
Max. Power Voltage-Vmpp(V)	45.60	45.77	45.93	46.10	46.30	46.50
Max. Power Current-Impp(A)	13.38	13.44	13.50	13.56	13.61	13.66
Module Efficiency(%)	21.81	21.99	22.17	22.35	22.53	22.71
Maximum system voltage	1500V DC					
Limit Reverse Current (A)	30					
Temperature coefficient of open-circuit voltage	-0.30%/°C					
Temperature coefficient of open-circuit voltage	0.046%/°C					
Temperature coefficient of power	-0.25%/°C					
Bifacial factor	80±5%					

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM 1.5.

ELECTRICAL DATA(NOCT)

Model Type	ER610W-182M	ER615W-182M	ER620W-182M	ER625W-182M	ER630W-182M	ER635W-182M
Rated Power (Wp)	459	462	466	470	474	477
Open Circuit Voltage(V)	52.54	52.66	52.79	52.93	53.10	53.29
Short Circuit Current(A)	11.33	11.39	11.46	11.52	11.58	11.62
Max. Power Voltage-Vmpp(V)	42.35	42.46	42.57	42.68	42.86	43.05
Max. Power Current-Impp(A)	10.83	10.89	10.95	11.01	11.07	11.11
Power Tolerance	1500V DC					
Noct	30					
Operating Temperature	-0.30%/°C					

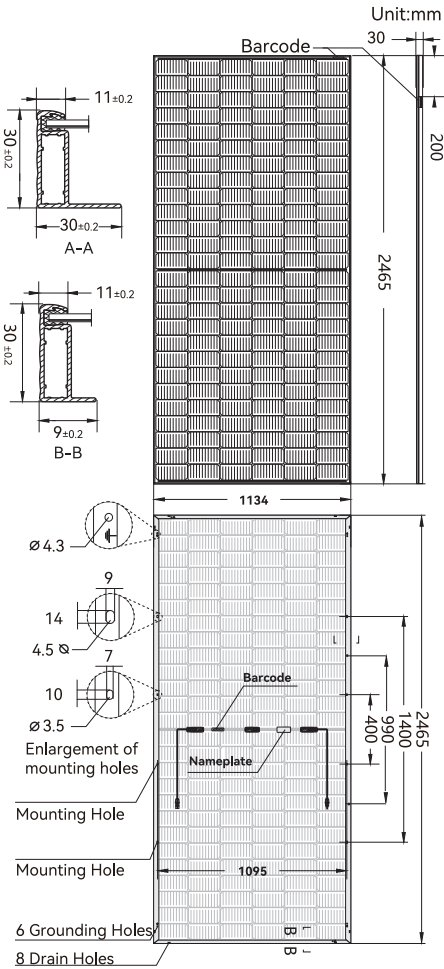
NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

Mechanical Property

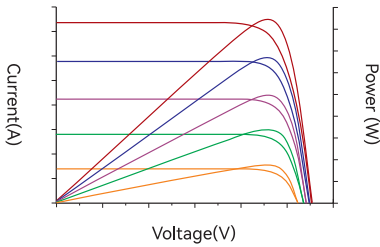
No. Of cells	156(6*13)*2	Frame(material)	Anodised aluminium alloy
Cell(quantity/dimensions)	182*91mm	Size	2465*1134*30mm
Cell type	N-TOPCon Mono	Weight	34kg
Glass thickness	2.0mm	Connector	4.0mm ² , MC4 cum packagings
Junction box	IP68	Connector length	+300mm/-200mm

Packaging Specifications

Container	Pcs/Box	No. of Box	Pcs of 40HQ Container
40HQ	36pcs	20	720pcs



Different Irradiance, I-V Curve
Battery Temperature=25°C



I-V curves at different cell temperatures
(AM1.5, 1000W/m²)

