



Peridot Solar
GREEN ENERGY SOLUTIONS

Progettazione definitiva finalizzata all'autorizzazione di una centrale di energia rinnovabile e delle relative opere di connessione denominata "Caltagirone 1", costituita da un impianto Agrivoltaico accoppiato ad un sistema di accumulo di energia, di potenza complessiva pari a 127,2164 MW [DC] (di cui 86,904 MW di Agrivoltaico) e potenza in immissione pari a 106,81 MW [AC] (di cui 72,42 MW impianto Agrivoltaico e 34,39 MW sistema di accumulo). La centrale sarà realizzata in c.da Bosco di Mezzo nel comune di Caltagirone (CT) – Sicilia.



OXY CAPITAL
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Acustica:
Ing. Alessandro Infantino



IMPIANTI ELETTRICI SCHEDA TECNICA MODULI FOTOVOLTAICI

C 4 5 1

Codice commessa

C T 1

Sito

D

Fase

E L

Disciplina

0 0 0 9

Numero

r 0 1

Revisione

Revisione	Data	Motivo	Redatto	Controllato	Approvato
00	26/02/2024	Emissione	G.C.	G.C.	U.L.
01	21/03/2024	Revisione	G.C.	U.L.	U.L.

Yangtze N-type 710~750 Watt

*BIFACIAL MODULE WITH
TRANSPARENT BACKSHEET*

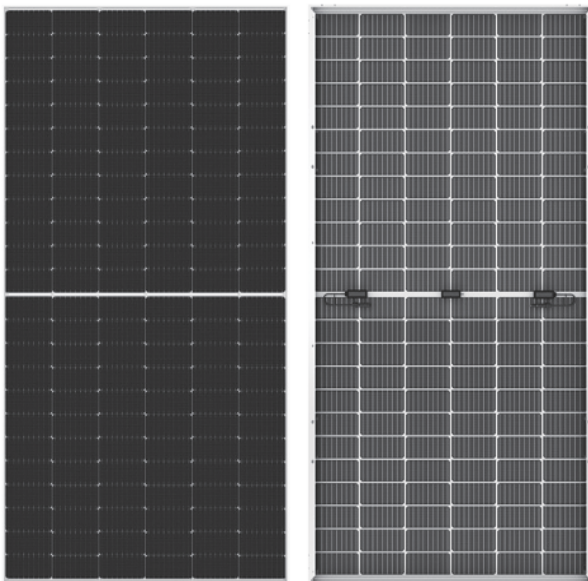
Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)
ISO9001:2015: Quality Management System
ISO14001:2015: Environment Management System
ISO45001:2018
Occupational health and safety management systems

Bifacial Technology



Key Features



Front

Back



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



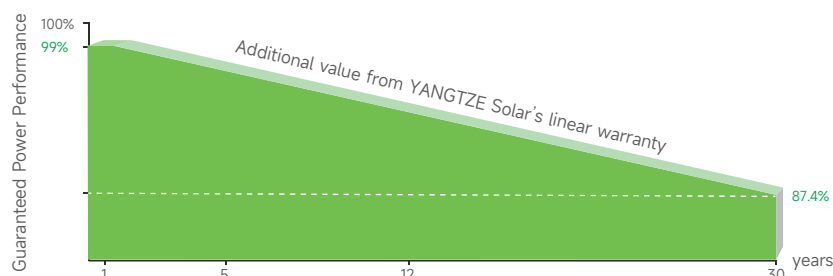
POSITIVE QUALITY™
Continuous Quality Assurance

Linear Performance Warranty

12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years



Specifications

Module Type	YS710M-132N	YS720M-132N	YS730M-132N	YS740M-132N	YS750M-132N
Maximum Power (Bifacial)	710W	720W	730W	740W	750W
Maximum Power (monofacial)	660W	670W	680W	690W	700W
Maximum Power Voltage (Vmp)	38.38V	38.68V	38.98V	39.28V	39.58V
Maximum Power Current (Imp)	17.20A	17.33A	17.45A	17.57A	17.69A
Open-circuit Voltage (Voc)	45.55V	45.85V	46.15V	46.45V	46.75V
Short-circuit Current (Isc)	18.45A	18.45A	18.66A	18.79A	18.92A
Module Efficiency STC (%)	22.9%	23.2%	23.5%	23.8%	24.2%
Operating Temperature(°C)	-40°C~+85°C				
Maximum system voltage	1000/1500VDC(IEC)				
Maximum series fuse rating	25A				
Power tolerance	0~+3%				
Temperature coefficients of Pmax	-0.35%/°C				
Temperature coefficients of Voc	-0.29%/°C				
Temperature coefficients of Isc	0.048%/°C				
Nominal operating cell temperature (NOCT)	45±2°C				

STC:

 Irradiance 1000W/m²

 Cell Temperature 25°C

 AM=1.5

NOCT:

 Irradiance 800W/m²

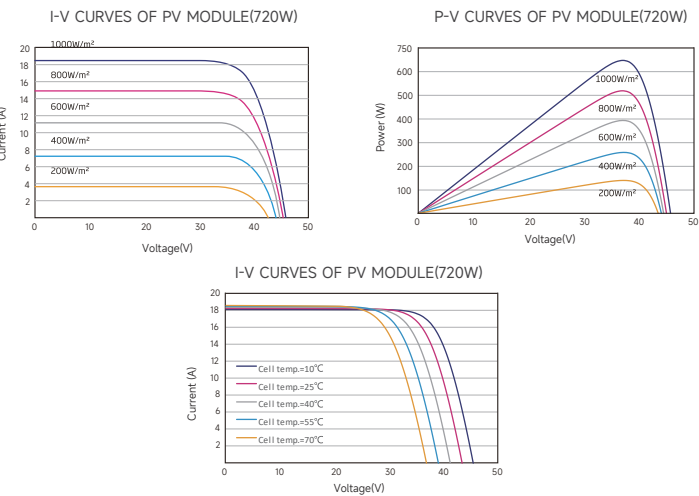
 Ambient Temperature 20°C

 AM=1.5

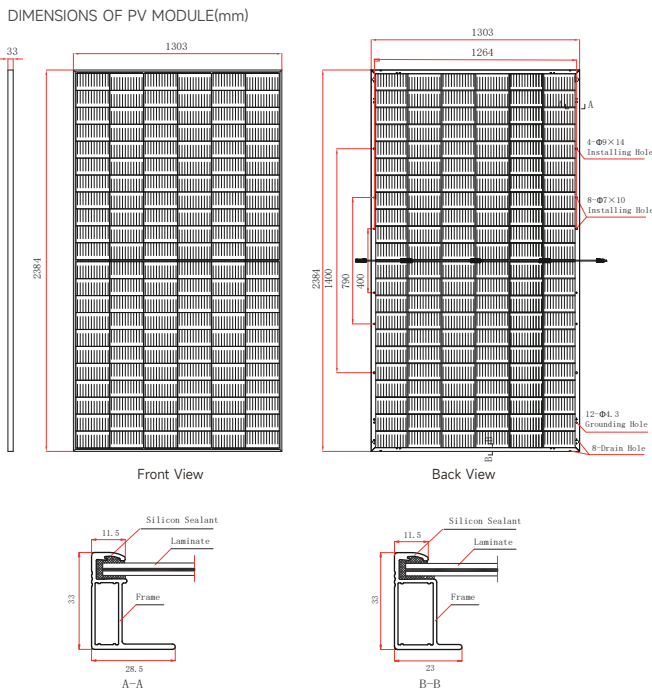
 Wind Speed 1m/s

* Power measurement tolerance:±3%

Engineering Drawings



Electrical Performance & Temperature Dependence



Packaging Configuration

31 pieces per pallet,each container 558 pieces.

Mechanical Characteristics

Cell Type	No.of cells	Dimensions	Weight	Front Glass	Frame	Junction Box	Output Cables
210mm Mono PERC	132(6×22)	2384×1303×35mm (94.49×51.3×1.18 inch)	36kg (79.4 lbs)	3.2mm,Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass	Anodized Aluminium Alloy	IP68 Rated	TUV 1×4.0mm²(+); 290mm,-);145mm or Customized Length