



PROGETTO DEFINITIVO PER LA COSTRUZIONE DI UN IMPIANTO AGRIVOLTAICO DA 19,9 MW DENOMINATO “ AGRISOLAR OCCIMIANO”

PROPONENTE



OCCIMIANO SOLAR S.r.l.
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PROGETTAZIONE

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TITOLO ELABORATO

CARTATTERISTICHE TECNICHE PANNELLI FOTOVOLTAICI

CODICE ELABORATO

FORMATO

Nr. El

Scala

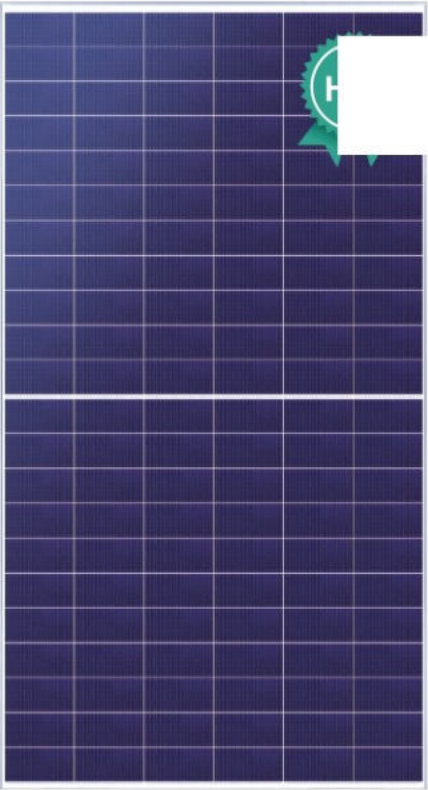
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REV	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
00	PRIMA EMISSIONE	06/2025	CR	CR	CR



720w
Helios Module Series
N-HJT HIGH EFFICIENCY MONO M12-20B-G

Excellent Power Generation Performance

- 210mm wafer with SMBB cell technology
- Over 85% bifaciality and up to 30% additional power generation
- Competitive high-temperature performance with ameliorated temperature coefficient (-0.26%/°C)
- Better weak illumination response of HJT technology leads higher power generation

Consistent Reliability

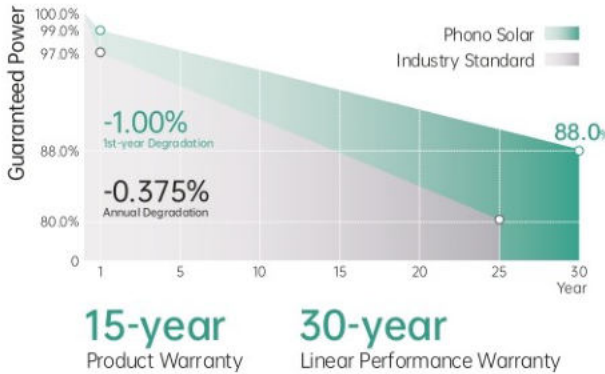
- Zero Light Induced Degradation
- Industry-leading cell technology of TCO thin film contributes to excellent anti-PID characteristic

Shorter Payback Time

- Lower BoS cost ensure a better LCOE

More Environmentally Friendly

- Low temperature welding technology & shorter manufacturing process contributes to lower carbon emissions



MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730
ISO 9001
2015 / Quality management system
ISO 14001
2015 / Standards for environmental management system
ISO 45001
2018 / International standards for occupational health & safety

Electrical Typical Values										
Model	PS700M13GFH-22/WSH		PS705M13GFH-22/WSH		PS710M13GFH-22/WSH		PS715M13GFH-22/WSH		PS720M13GFH-22/WSH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	700	532	705	536	710	540	715	544	720	548
Rated Current (Imp)	16.63	13.41	16.69	13.45	16.75	13.50	16.81	13.55	16.87	13.60
Rated Voltage (Vmpp)	42.10	39.71	42.25	39.85	42.39	39.99	42.54	40.13	42.68	40.26
Short Circuit Current (Isc)	17.43	14.05	17.49	14.10	17.55	14.15	17.61	14.20	17.67	14.24
Open Circuit Voltage (Voc)	50.13	47.84	50.29	48.00	50.44	48.14	50.59	48.28	50.74	48.43
Module Efficiency (%)	22.53		22.70		22.86		23.02		23.18	
STC(Standard Testing Conditions): Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C										
NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s										

BSTC**					
Maximum Power (Pmax)	770	775	780	785	790
Optimum Operating Current (Imp)	18.29	18.35	18.41	18.46	18.51
Optimum Operating Voltage (Vmpp)	42.10	42.25	42.39	42.54	42.68
Short Circuit Current (Isc)	19.17	19.22	19.28	19.33	19.39
Open Circuit Voltage (Voc)	50.13	50.29	50.44	50.59	50.74
**BSTC:Front Side Irradiation 1000W/m2, Back Side Reflection Irradiation 135W/m² , AM 1.5, Ambient Temperature 25°C					

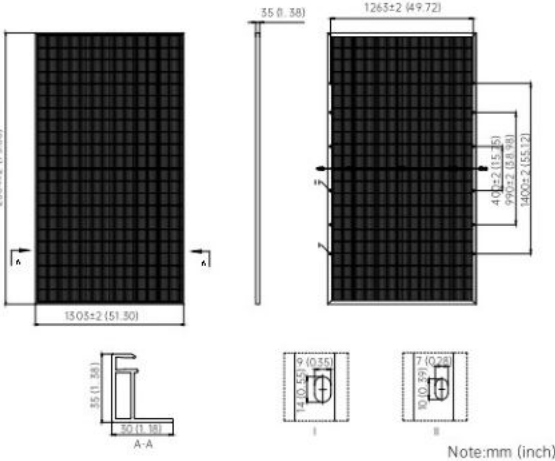
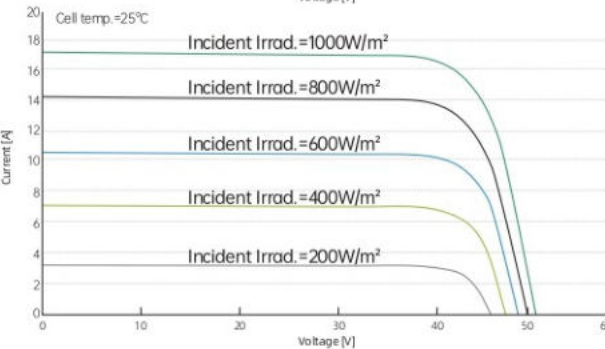
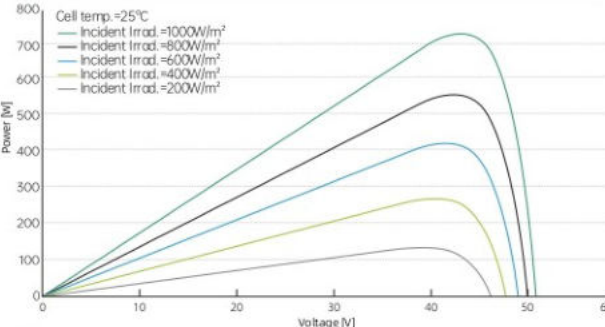
Mechanical Characteristics	
Cell Type	HJT Monocrystalline
Dimension (L × W × H)	Length: 2384mm (93.86 inch) Width: 1303mm (51.30 inch) Height: 35mm (1.38 inch)
Weight	38.7kg (85.32 lbs)
Glass	2.0mm/2.0mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (including Connector)	4mm² (IEC), (+): 450mm,(-): 250mm or Customized Length
Junction Box	IP 68 Rated

Temperature Ratings	
Voltage Temperature Coefficient	-0.24%/°C
Current Temperature Coefficient	+0.04%/°C
Power Temperature Coefficient	-0.26%/°C
Power Tolerance	0~+3%
NOCT	44±2°C
Bifaciality	85±5%

Absolute Maximum Rating	
Operating Temperature	From -40 to + 85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	30A
PV Module Classification	II
Fire Rating (IEC 61730)	C
Maximum System Voltage	DC 1500V

Packing Configuration	
Container	40' HQ
Pieces/Container	558
Pcs/Pallet	31
Pallets/Container	18

Electrical Characteristics



Note:mm (inch)