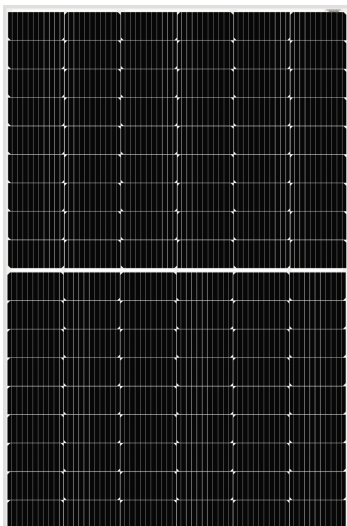




FOTONAPONSKI **PANELI**



**NOVO U NAŠEM
ASORTIMANU!**

AS-7M108-HC108-HC 410W BLACK MONOKRISTALNI MODUL

NAPREDNE PERFORMANSE I DOKAZANE PREDNOSTI

- Proizvođač Amerisolar®
- Visoka učinkovitost pretvorbe modula do 21.25% korištenjem inovativne napola izrezane tehnologije za dizajn i tehnologije više sabirnica - multi-busbar (MBB).
- Nizak temperaturni koeficijent i izvrsne performanse u uvjetima visoke temperature i slabog osvjetljenja.
- Robusni aluminijski okvir osigurava da moduli izdrže opterećenje vjetrom do 2400Pa i opterećenje snijegom do 5400Pa.
- Visoka pouzdanost protiv ekstremnih uvjeta okoline: magla, amonijak i tuča.
- Otpornost na potencijalno izazvanu degradaciju (PID).

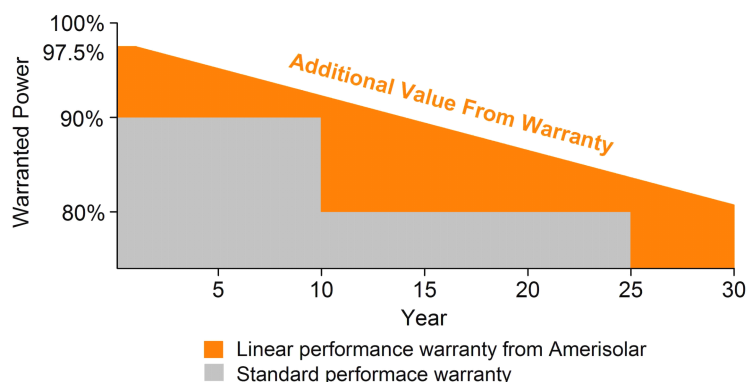
CERTIFIKATI



- IEC 61215, IEC 61730, CE
- ISO 9001:2015: Quality management system
- ISO 14001:2015: Environmental management system
- ISO 45001:2018: Occupational health and safety management system

POSEBNA GARANCIJA

- 20 godina garancije na proizvod
- 30 godina garancije na linearnost izlazne snage



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	410W
Open Circuit Voltage (V_{OC})	37.6V
Short Circuit Current (I_{SC})	13.82A
Voltage at Maximum Power (V_{mp})	31.4V
Current at Maximum Power (I_{mp})	13.06A
Module Efficiency (%)	21.00
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC/1500V DC
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)
Maximum Series Fuse Rating	25A

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of Pmax: ±3%; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P_{max})	308W
Open Circuit Voltage (V_{OC})	34.6V
Short Circuit Current (I_{SC})	11.20A
Voltage at Maximum Power (V_{mp})	28.6V
Current at Maximum Power (I_{mp})	10.77A

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

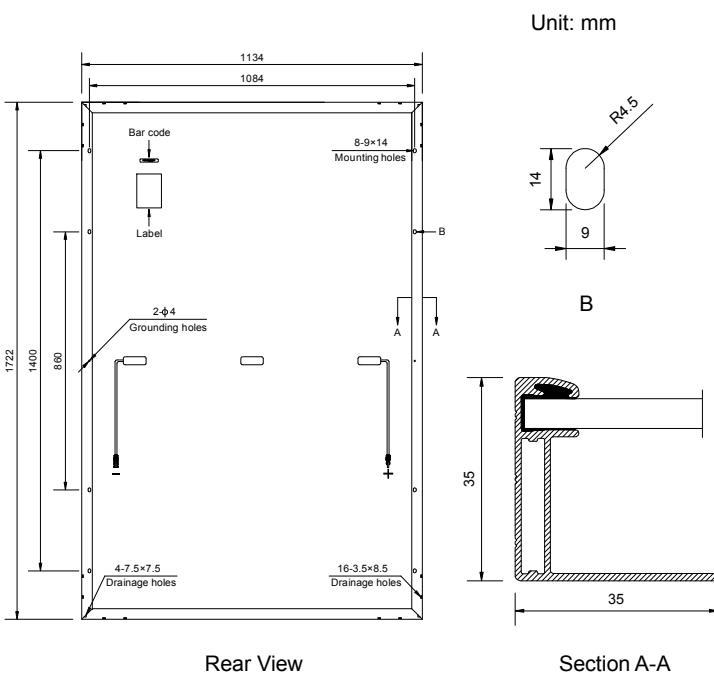
MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC 182*91mm
Number of cells	108 (6x18)
Module dimensions	1722x1134x35mm (67.80x44.65x1.38inches)
Weight	21.5kg (47.4lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm ² (0.006inches ²), Portrait: 300mm (11.81inches); Landscape: 1200mm (47.24inches)
Connector	MC4 or MC4 compatible

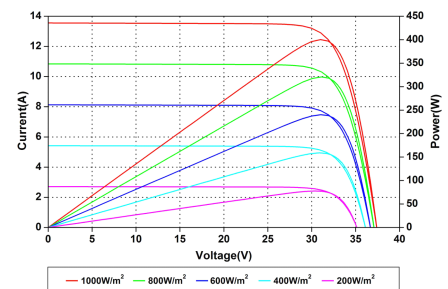
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P_{max}	-0.36%/°C
Temperature Coefficients of V_{OC}	-0.28%/°C
Temperature Coefficients of I_{SC}	0.05%/°C

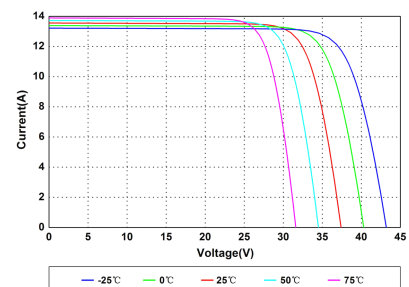
ENGINEERING DRAWINGS



IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Specifications in this datasheet are subject to change without prior notice.