

Off-grid Solar Modules 40/ 50/ 60/ 80 Wp

Designed in Europe

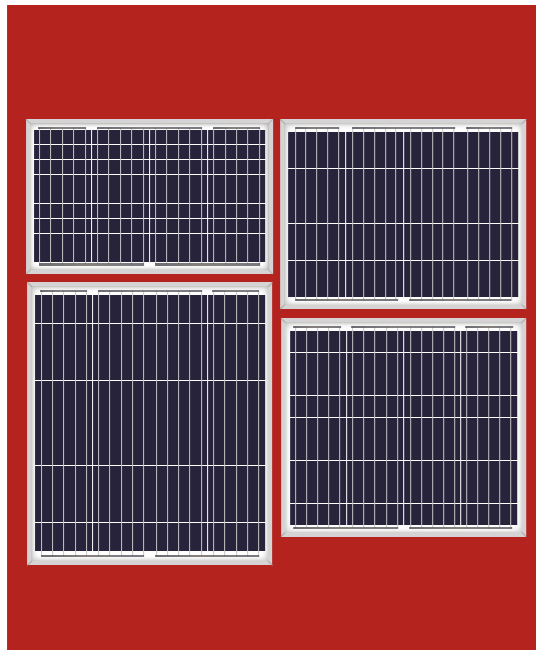
The use of European production knowledge and carefully selected components are the foundation for our top quality solar modules.

Solinc ensures up to date technology, durability, and the reliable high performance that our panels have become well known for.

+ $\frac{W}{m^2}$ High Power Density
High conversion efficiency and more power output per square meter.

DURABLE Durability
Durable PV modules, independently tested for harsh environmental conditions such as exposure to salt mist, ammonia and PID risk factors.

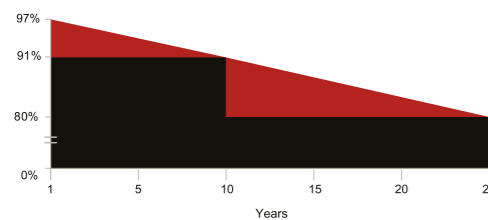
Advanced Glass
Our high-transmission glass features a unique anti-reflective coating that directs more light on the solar cells, resulting in a higher energy yield.



>17.8%
CELL EFFICIENCY

10 YEAR
PRODUCT WARRANTY

25 YEAR
LINEAR WARRANTY



(0.7% annual degradation, 80% after 25 years)

QUALIFICATIONS & CERTIFICATES



SYSTEM CERTIFICATIONS : ISO 9001:2008, ISO 14001:2004

ELECTRICAL PROPERTIES AT STC*

Model	Solinc EA40	Solinc EA50	Solinc EA60	Solinc EA80
Maximum power P_{max}	40 Wp	50 Wp	60 Wp	80 Wp
Current maximum power point I_{mp}	2.14A DC	2.73A DC	3.21A DC	4.28A DC
Voltage maximum power point V_{mp}	18.7V DC	18.3V DC	18.7V DC	
Open circuit voltage V_{oc} (STC)	22.9V DC	22.3V DC	22.9V DC	
Short circuit current I_{sc}	2.27A DC	2.95A DC	3.41A DC	4.53A DC
Module Efficiency (η_m)	14.15%	14.00%	15.04%	15.62%
Maximum system voltage (V)	1000V DC			
Maximum series fuse rating(A)	10A			
Power tolerance	±5%			
Diode	2x10A			

MECHANICAL PROPERTIES

Model	Solinc EA40	Solinc EA50	Solinc EA60	Solinc EA80
No. of cells	36 (4x9)			
Cell type	Polycrystalline Cell			
Cell size	156.75x40mm	156.75x52.25mm	156.75x58.5mm	156.75x78.375mm
Module dimensions	425x665x30mm	537x665x30mm	600x665x30mm	770x665x30mm
Weight	3.4kg	4.3kg	4.8kg	5.7kg
Front cover (material / thickness)	low-iron tempered glass / 3.2mm			
Frame (material)	Anodized aluminum alloy			
Junction box (protection degree)	IP65			
Cable (length / cross-sectional area)	500mm / 2.5mm ²			
Plug connector (type / protection degree)	None			

* STC (Standard Test Condition):

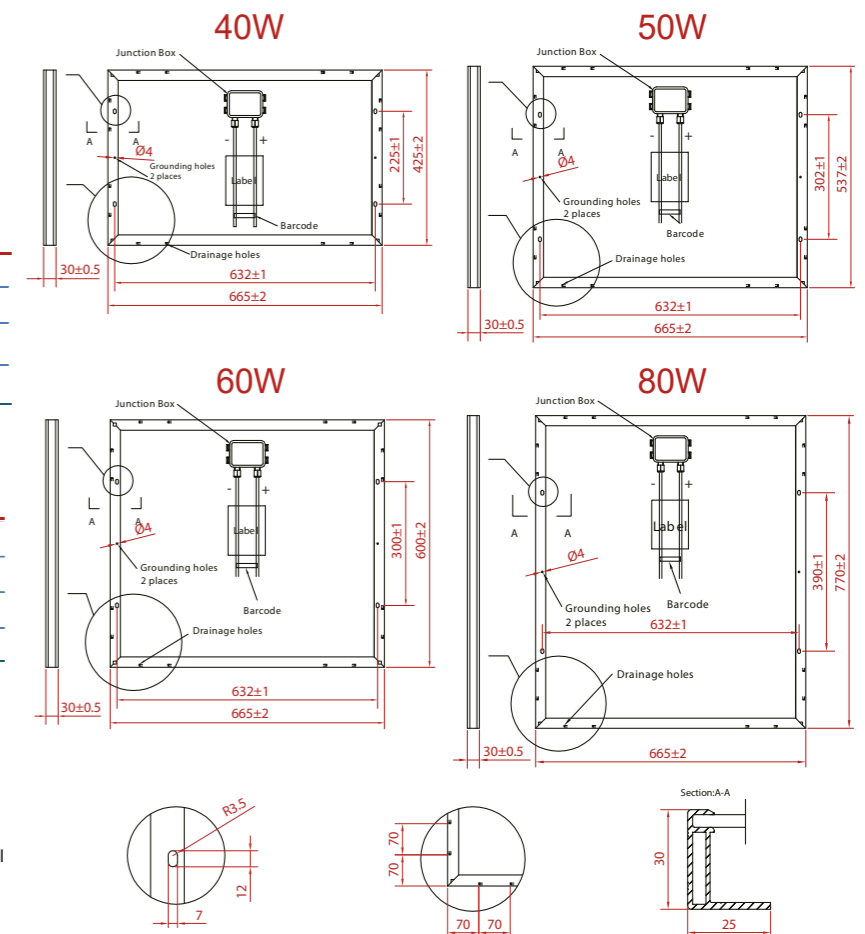
- Irradiance 1000W/m²
- Module temperature 25°C
- Spectrum AM 1.5

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45±2
Temperature coefficient of P_{max}	γ	%/°C	-0.40
Temperature coefficient of V_{oc}	β_{Voc}	%/°C	-0.32
Temperature coefficient of I_{sc}	α_{Isc}	%/°C	0.05

OPERATING CONDITIONS

Operating temperature range	-40°C to 85°C
Max. static load, front (e.g., snow)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s



Warning : Read the Installation and User Manual in its entirety before handling, installing, and operating Solinc Solar modules.

- Due to continuous innovation, research and product improvement, the specifications in this product data sheet are subject to change without prior notice. The specifications may deviate slightly.
- This data does not refer to a single module, however it is composite. This only serves as a technical guide for the stated module models.