

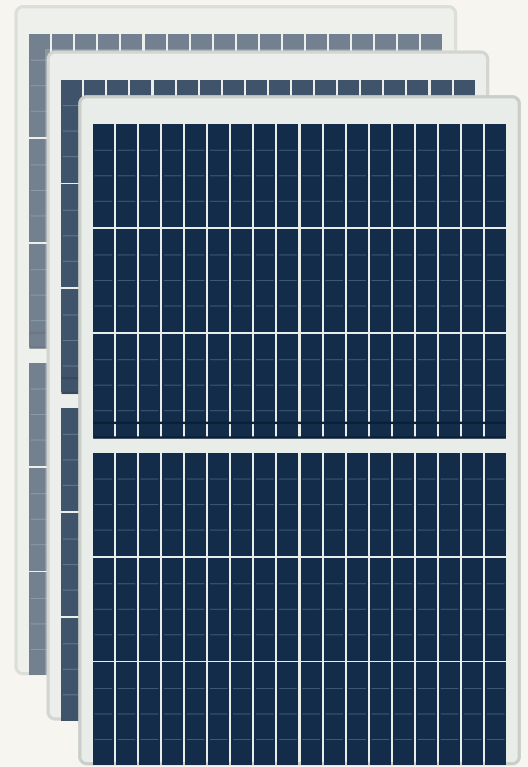


Booted Eagle

390-430 Watt

EVR405-108P-BT • PERC • M10 • 108-CELL

Positive power tolerance of 0 ~ + 5 W



Key Features



Half-Cut PERC Cells

Better light trapping and lower internal resistance raise module power and reliability.



Multi-Busbar Interconnection

Lower series resistance and denser current collection keep yield stable in low light.



Full-Black Option

Black frame and black backsheet for premium residential rooftops.



Anti-PID Performance

Excellent anti-PID guarantee through optimized mass-production process control.



Enhanced Mechanical Load

Certified to snow load 5400 Pa (front) and wind load 2400 Pa (rear).

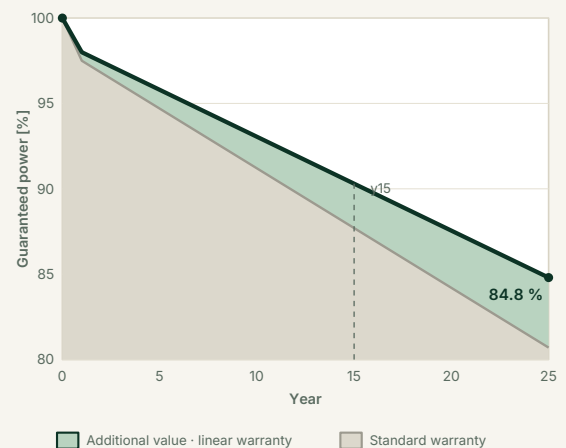


Extreme-Environment Durability

High salt-mist and ammonia resistance for coastal and agricultural installations.

Linear Performance Warranty

15 Years Product Warranty • 25 Years Linear Power Warranty



Design Compliance

- IEC 61215:2021 — design qualification and type approval
- IEC 61730:2016 — safety qualification and construction
- PID-resistant cell process and material selection
- Salt-mist and ammonia resistant component materials

IEC 61215

IEC 61730

PID TESTED

CE

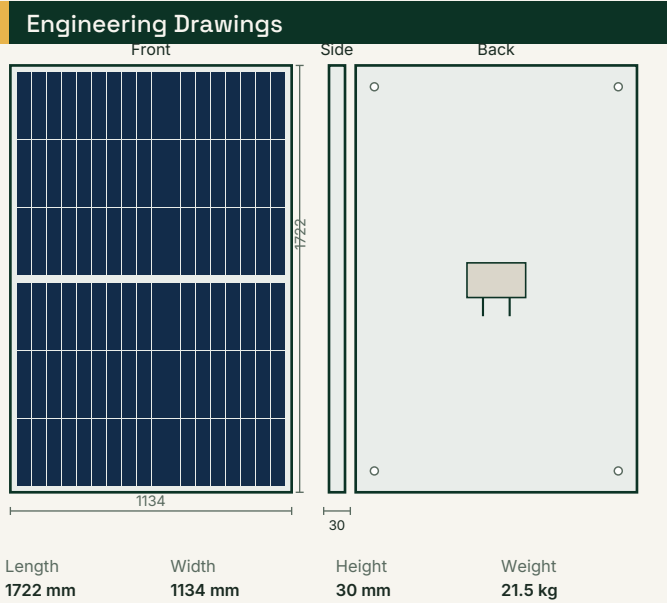


Electrical Specifications										
Module Type: EVRxxx-108P-BT (xxx = Pmax)										
Module Type	EVR390-108P-BT		EVR400-108P-BT		EVR410-108P-BT		EVR420-108P-BT		EVR430-108P-BT	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax/W)	390	293	400	301	410	308	420	316	430	323
Voltage at Max. Power (Vmp/V)	31.4	29.0	31.6	29.3	31.8	29.4	31.9	29.6	32.1	29.7
Current at Max. Power (Imp/A)	12.42	10.09	12.66	10.28	12.89	10.47	13.17	10.69	13.40	10.88
Open circuit voltage (Voc/V)	37.4	35.0	37.6	35.2	37.8	35.4	38.0	35.6	38.2	35.8
Short circuit current (Isc/A)	12.86	10.40	13.19	10.67	13.52	10.94	13.85	11.20	14.18	11.47
Module efficiency (%)	19.97 %		20.48 %		21.00 %		21.51 %		22.02 %	
Power Tolerance (W)					0 ~ + 5					

Standard Test Condition (STC): Irradiance 1000 W/m² · Cell Temperature 25 °C · AM 1.5
Nominal Module Operating Temperature (NOCT): Irradiance 800 W/m² · Ambient Temperature 20 °C · AM 1.5 · Wind Speed 1 m/s

Mechanical Specifications	
Cell Type	PERC Mono, M10 182 × 91 mm
No. of Cells	108 (6 × 18)
Dimension	1722 × 1134 × 30 mm
Weight	21.5 kg
Glass	3.2 mm AR-coated tempered
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 bypass diodes
Output Cables	4 mm ² , 300 mm
Connector Type	MC4 compatible

Packaging Configurations	
Per Pallet	36 pcs
Per 40' HQ Container	936 pcs
Pallet Dimension	1760 × 1160 × 1180 mm



Dimensions in mm. Tolerance ± 3 mm unless otherwise stated.
Mounting holes: 4 × 14 × 9 mm, drilled to the module frame.

Temperature Characteristics	
NOCT	43 ± 2 °C
Temperature Coefficient (Pmax)	- 0.35 %/°C
Temperature Coefficient (Voc)	- 0.28 %/°C
Temperature Coefficient (Isc)	+ 0.048 %/°C

Maximum Ratings	
Maximum system voltage (IEC)	1500 V DC
Snow / Wind load	5400 Pa / 2400 Pa
Operating temperature	- 40 ... + 85 °C
Maximum series fuse rating	20 A

