EURONET

Standard & High-Power Mono Series 170W–450W

Monocrystalline modules for residential rooftops, agriculture and commercial installations

- Standard Mono: Grade-A mono cells with ARC coating for maximum light absorption, on-grid or off-grid.
- High-Power Mono: 182mm half-cell, multi-busbar cells cut internal losses, shading loss and hot-spot risk.
- Certified for salt mist, ammonia, sand and hail — ideal for coastal and desert environments.
- Withstands 2400Pa wind and 5400Pa snow loads; High-Power models support 1500V DC systems.





Mono crystalline | 182mm half-cell | Multi-busbar | PID-free | Salt mist & sand | RFID tagged

Product Specification

	Standard Mono · 170W–300W					High-Power Mono · 350W–450W		
Model	EU-M170W	EU-M200W	EU-250W	EU-280W-HV	EU-M300W	EU-M350W-HV	EU-M380W	EU-450-BMA-HV
Rated power (Pmax)	170W	200W	250W	280W	300W	350W	380W	450W
Power tolerance	±3%	+3%	±5W	0 to +3W	±3%	0 to +3W	±3%	0 to +3W
Peak voltage (Vmp)	18.9V	18.3V	30.0V	31.3V	36.5V	37.9V	39.6V	41.20V
Peak current (Imp)	8.99A	10.93A	8.8A	8.95A	8.22A	9.24A	9.60A	10.92A
Open circuit voltage (Voc)	22.11V	22.4V	40.70V	38.4V	43.2V	46.5V	48.10V	50.06V
Short circuit current (Isc)	10.51A	12.02A	7.84A	9.37A	9.05A	9.68A	10.06A	11.47A
Cells	48 (6×8)	48 (6×8)	60 (6×10)	72 (6×12)	72 (6×12)	144 half-cells approx.	144 (6×24)	144 (6×24)
Module efficiency	17.1% approx.	15.3% approx.	15.5% approx.	17.2% approx.	15.5% approx.	17.7% approx.	21.1%	Up to 21.1%
Dimensions (mm)	1480×670×35	1329×982×50	1645×982×50	1640×992×35	1956×992×40	1995×992×35	1979×996×35	2094×1038×35
Weight	10.2kg	18.0kg	22.0kg	19kg	20kg	21kg	23kg	23.5kg
Max system voltage	1000V					1500V DC	1000V DC	1500V DC
Max series fuse	15A					20A	15A	20A
Application class	Class A	Class A	Class A	Class A+	Class A	Class A	Class A+	Class A

Construction

Frame	Anodised aluminium alloy
Front glass	Tempered glass; 3.2mm ARC tempered (EU-450-BMA-HV)
Junction box	IP68, 3 diodes (EU-M380W, EU-450-BMA-HV)
Cable / connector	4mm², 300mm, MC4 (High-Power)
Identification	RFID tag (Standard Mono)
Packaging	2 pcs per carton (Standard Mono)

Ratings & Environment

Temp. coeff. – Standard	Pmax -0.45%/°C · Voc -0.35%/°C · Isc -0.060%/°C
Temp. coeff. – High-Power	Pmax -0.38%/°C · Voc -0.35%/°C · Isc +0.06%/°C
NOCT	45°C; 45 ±2°C (EU-M350W-HV, EU-450-BMA-HV)
Operating temperature	-40°C to +85°C
Fire class	C (High-Power)
Design life	Over 25 years

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