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SOLARWRAP / SERIES DATASHEET

SolarWrap Hexagon

Pole-mounted vertical solar modules · aluminium or UPVC profile · 140–200 W



Six PV faces wrap the pole in a die-cast or extruded profile, so the array keeps charging through low sun and short winter days. Two power classes, two frame materials: aluminium for exposed coastal and high-wind sites, UPVC for cost-controlled volume projects.

THE RANGE

Model	Format	Pmax	Dimensions (mm)	Vmp	Pole Ø	Warranty
Q140	Aluminium	140 W	228 × 200 × 1560	18 / 36 V	≤ 150 mm	5 yr
Q200	Aluminium	200 W	228 × 200 × 2060	18 / 36 V	≤ 150 mm	5 yr
Q140-B	UPVC	140 W	228 × 200 × 1560	36 V	70–140 mm	5 yr
Q200-B	UPVC	200 W	228 × 200 × 2060	36 V	70–140 mm	5 yr

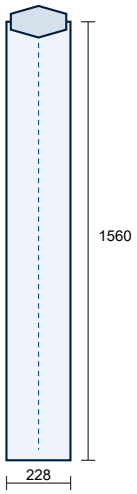
Aluminium and UPVC versions share the same glass, cell string and bracket interface; only the frame material and the price tier differ. Electrical detail for the -B versions is identical to the aluminium model.

SHARED CONSTRUCTION

Cell	MONO, made in Taiwan
Front glass	High-strength tempered glass
Mechanical load	Front 5400 Pa / back 2400 Pa
Ingress protection	IP66
Cable / connector	2.5 mm², Universal MC4
Operating temperature	−20 °C to +70 °C
Expected lifetime	> 20 years
Wind	IEC 60598-2-3 test, report LCS201222096BS-EA-2026

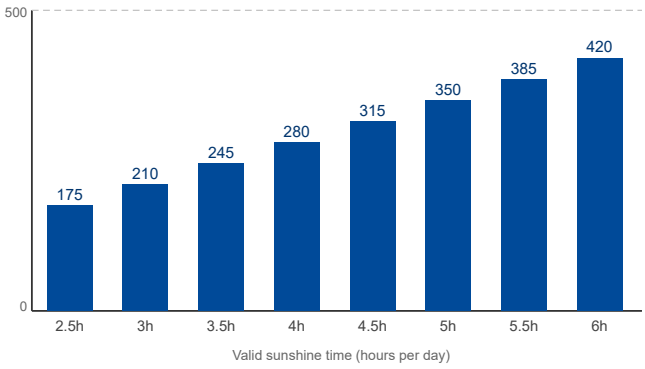
HOW TO SPECIFY

SolarWrap Hexagon — selection and fit



Outline principle (mm) — see model table for exact length

1. Pole first. Measure the outside diameter at the clamp height, not at the base. A tapered pole can move a size class over two metres.
2. Wall thickness. At least 3 mm steel, 4 mm under the clamp band. A thin pole with the right diameter still fails in wind.
3. Array voltage. Add Vmp down the pole and check it against the controller window and the battery class.
4. Access. Anything above 1.5 m needs two people or a MEWP at commissioning and for later service.



Reference daily output at 23 deg N (Q140) — confirm with local irradiation data

WHAT SHIPS WITH EACH ORDER

Module / tube	master and sub section, nested
Brackets	upper and lower, per pole drawing
Fixings	set screws, length to suit pole
MC4 adapter	300 mm, between sections
Documents	this sheet + installation manual

APPLICATIONS

Street & area lighting — new poles or retrofit of grid-tied poles.

Garden & park lighting — where flat panels are not permitted.

CCTV & monitoring masts — power for cameras and radio links.

Road signs & signal centres — off-grid beacons and warning lights.

IP66 | IEC 60598-2-3 WIND TEST | MC4 | LIFETIME >20 YR

Notes. 1) Model-specific electrical data (Voc, Isc, efficiency) is issued on the single-model datasheet — request it for tender submissions. 2) Do not connect the MC4 pair of the last module in a string. 3) MPPT controller required. 4) CE / EMC documentation is not claimed on this sheet. 5) Packing data per model on request.