E-AblePower Technology

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REFERENCE INSTALLATIONS

Vertical solar, installed.

Supplied sets in operation between 2020 and 2024

1,275	6	5	0°
SETS SUPPLIED	COUNTRIES	YEARS IN SERVICE	PANEL TILT

Country	Year	Sets	Application
Saudi Arabia	2023	293	Vertical solar street light
Oman	2024	428	Vertical solar street light
United Arab Emirates	2020	277	Vertical solar street light
United Kingdom	2021	182	Vertical solar garden light
Russia	2021	63	Vertical solar garden light
Italy	2022	32	Vertical solar garden light

WHAT THESE SITES PROVE

Desert dust. Oman and Saudi Arabia run the modules without a washing schedule — a vertical face sheds sand in the rain.

Urban heritage rules. The Italian garden installations replaced flat panels that the municipality would not approve on historic poles.

Northern winter. The UK and Russian sites were chosen for snow: nothing settles on a vertical face, so yield does not collapse after a fall.

Coastal corrosion. Gulf sites combine salt air with 50 °C summers; the aluminium frame and tempered glass are the same specification we quote today.

VERTICAL AGAINST FLAT — STRAIGHT ABOUT IT

Criterion	Flat tilted panel	SolarWrap vertical module
Yield per Wp	Highest at the optimum tilt, in an open field	Lower in absolute terms; recovers part of the gap because nothing is ever dirty or shaded by the pole
Dust and sand	Scheduled washing or output falls month by month	Rain sheets the face clean; no washing route
Wind	A tilted plate is a sail on a long lever arm	Slim cylinder, tested to IEC 60598-2-3 wind requirements
Snow	Accumulates; output can drop to zero for days	Nothing settles on a vertical face
Theft	Bolted on the outside; removable with a spanner	Wrapped round the pole; needs the pole opened
Heritage and permits	Commonly refused on historic or central poles	Reads as part of the pole

WHERE IT IS SPECIFIED

Street and area lighting New poles or retrofit of existing grid-tied poles.

Garden and park lighting Poles where a flat panel would not be approved.

Wireless broadcast Speakers and public-address nodes on lighting poles.

CCTV and monitoring masts Power for cameras, radios and sensors on the same pole.

Road signs and signals Off-grid beacons, warning lights and signal centres.

Custom lighting Any pole diameter from 70 to 330 mm, straight or tapered.

How to use this sheet. Quantities are sets supplied, not a claim of performance measurement. We can provide the project name, the client type and a photo set for a specific reference once an NDA is in place; we do not publish client names on this sheet.