

Foldable Portable Lightweight Modules

Lightweight PV Module

Up to 8 folds and 400 W, carried in one hand, working from -40°C to $+85^{\circ}\text{C}$.

A portable panel is a consumer product with an industrial failure mode. It gets folded, thrown in a boot, left in the sun and rained on, and every one of those is a chance for a cell to crack or an edge to delaminate.



Key characteristics

Up to 8 folds and 400 W	Expands to a large collecting area and folds back to something carried in one hand.
23% photoelectric conversion rate	On the portable foldable power station configuration.
-40°C to $+85^{\circ}\text{C}$ working range	High weather resistance at both temperature extremes, which is what field and expedition use actually demands.
IEC extreme hot-spot tested	Partial shading on a folded panel is normal rather than exceptional, so hot-spot behaviour is a primary specification here, not a footnote.

Packaging scheme

- ETFE + CDPC (front panel) + CDPC (back panel) + PVDF
- CPC grid (front panel) + CDPC grid (back panel)

Applications

- Outdoor folding solar-powered handbags
- Portable foldable power stations
- Camping, expedition and emergency power

Enquiries

Quotations, full datasheets and certificates are issued against a product code and a destination market. Write to info@hondolsolar.com with the cell technology, the module construction, the annual volume and the destination market.

All values are as published by the manufacturer. Tolerances, roll formats and electrical data are confirmed in writing per order. Suzhou Hondol New Material Co., Ltd. No.518, Xinzhen Road, Tong'an Town, SND, Suzhou, Jiangsu, China. PT. Hondol Material Indonesia, Samara Industrial Park, Batam, Kepulauan Riau, Indonesia.