

Automotive-Used PV Modules

Lightweight PV Module

–40°C to 150°C, continuous high-frequency vibration, 15 years or 250,000 km.

A vehicle roof asks a module to survive conditions no building ever will: surface temperatures to 150°C, continuous vibration at highway speed, road salt, acid rain and engine-bay oil, on a curved surface, for the life of the vehicle.



Key characteristics

Wide temperature range operation	Specified between –40°C and 150°C, covering a dark roof parked in summer sun.
Anti-vibration and impact	Able to withstand continuous high-frequency vibration rather than the occasional wind load a static array sees.
Corrosion and weather resistance	Resistant to salt spray, acid rain, oil stains and UV ageing, ensuring a service life of over 10 years.
Durability designed to automotive life	Design lifespan usually over 15 years or 250,000 kilometres, far exceeding consumer electronics practice.

Packaging scheme

- ETFE (front film) + HD-PGR (anti-cracking film) + HD-SG-P (back plate)
- PF (water blocking front film) + HD-PGR (anti-cracking film) + HD-SG-P (back plate)

Applications

- Vehicle roof integration
- Commercial vehicle and bus roofs
- Recreational and specialist vehicles

Enquiries

Quotations, full datasheets and certificates are issued against a product code and a destination market. Write to info@hondosolar.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.