

Solar glass you walk on, laid straight onto GridMats



GRIDMATS® SOLAR



Concept visualization: a GridMats Solar Walkway through a campus

40 W

N-type TOPCon module, 530 × 400 mm

~180 W/m²

of walkway: 4.5 modules per m²

41.5–41.8 W

measured on two modules at STC, 9 Oct 2026

~55 mm

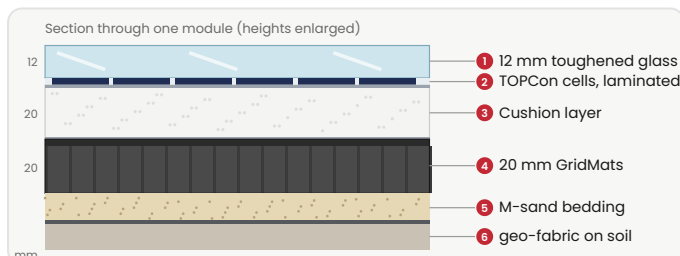
finished height above the bedding

Module set: 40 W N-type TOPCon module laminated under 12 mm toughened glass, on 20 mm GridMats. The client provides a grid-tie inverter, or we supply one. **Status:** pre-commercial; pilot validation under way, no commercial deployment claimed yet. Priced per pilot and per site after the site assessment.

THE BUILD: SOLAR GLASS ON GRIDMATS

Solar cells laminated under **12 mm toughened glass**, so the glass is the walking surface. It sits on **20 mm GridMats** in recycled polypropylene, with a thin cushion layer taped between, laid on M-sand bedding over a geo-fabric layer. No timber, frames or fasteners; one module lifts out without disturbing the rest.

TOPCon (Tunnel Oxide Passivated Contact): high-efficiency N-type cells. An ultra-thin tunnel oxide layer and passivated contacts cut electron recombination and energy loss.



KEEP IT CLEAN: 3 TIMES A WEEK

Dust and footprints cut the output of a walkway. Clean the glass **at least three times a week** with a soft brush or mop and plain water; no abrasive powder or acid. Housekeeping can add it to the walkway routine. Entry mats at both ends are required.

HOW A PILOT WORKS

- 1 Site assessment:** shading, footfall, drainage and the electrical connection.
- 2 Engineering:** the module layout, row strings and cabling, the inverter connection and safety details.
- 3 Pilot installation:** a monitored pilot that measures output, module temperature, drainage, walkability and uptime.
- 4 Scale-up:** across the campus or portfolio.

MONITORING, IF YOU WANT IT

Basic: reference module; your team shares weekly readings and photos; we visit on day 0, 45 and 90 **Included**

1. Performance pack: logger with 4G, power by section, sunlight sensor, air and glass temperature **Optional**

2. Walkway pack: footfall counters, panel movement, rain and drainage sensors **Optional**

3. Showcase pack: live web dashboard, QR sign at the entry, 4G data **Optional**

Packs 2 and 3 need pack 1. The client chooses and pays for the optional packs. The basic level is enough to decide the pilot.

Built on the GridMats platform

Indian Patent 398992 · CII GreenPro certified · 32 sites built and over a million square feet of GridMats supplied.

WHAT WE NEED FROM YOU Walkway size and photos · sun and shade · footfall · a 230 V point for the inverter · housekeeping for cleaning · a person to share weekly readings



Start with one walkway: a site walk and a generation estimate.

gridmats.com/gridmats-solar-walkway · sales@gridmats.com · +91 63626 46287 (call or WhatsApp) · WhatsApp +91 81476 84653

GridMats Engineered Surface Systems · GroundReality Enterprises Pvt. Ltd., Bengaluru · Indian Patent 398992 · GreenPro certified



GRIDMATS® SOLAR