PAVEGEN SOLAR+

More energy, more engagement

DUAL ENERGY INNOVATION

Pavegen Solar+ combines the best of both worlds, harnessing kinetic and solar energy in a single innovative system.

More powerful than its kinetic-only counterpart, this hybrid solution supports a broader array of applications, amplifying user engagement and feedback.

Ideally suited to sunnier climates, Pavegen Solar+ thrives in bustling urban environments where nights bring communities together in the cool, open air.

During the day, the system predominantly draws energy from sunlight, switching to capture the dynamic pulse of foot traffic after dusk.

Beyond its captivating interactive features, Pavegen Solar+ delivers robust power for off-grid applications, including clean and efficient e-transport solutions, fostering community interaction, and promoting sustainable living.

- Continues to capture energy through footsteps after dusk.
- Increased engagement through higher energy applications and technologies.
- Excellent solar performance in low light conditions.
- 20-30% higher efficiency & performance than typical monocrystalline cells.

UK CA | CE

PAVEGEN

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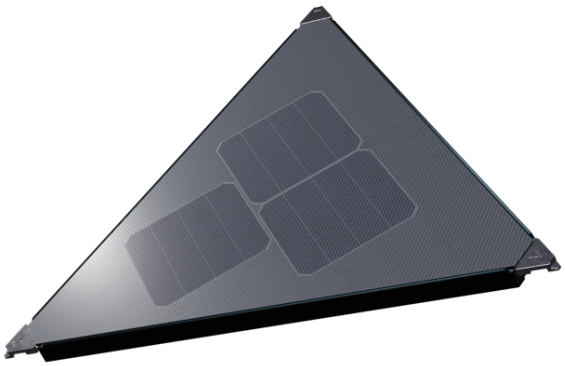
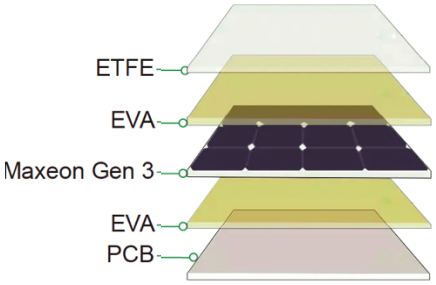
Pavegen Solar+ Tile Specification

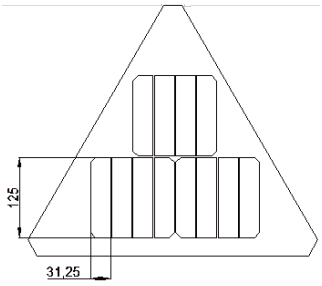
Dimensions	500mm Equilateral Triangle
	15mm depth
Weight	2.85 Kg
Materials	Trazcon Décor SL
	Menzolit SMC 1500 47-5810
Slip Resistance Rating	R12
Water & Dust Ingress Rating	IP68



Solar Cell Specification

Solar Cell Type	Monocrystalline Silicon
Solar Cell Design	SunPower Maxeon Gen 3
Cell Dimension	125mm x 31.25mm
No. of Cells in Series	12
Weight	0.15 Kg





*Electrical Data at STC**

Maximum Power (Pmax)	11 W
Maximum Power Voltage (Vmp)	7 V
Maximum Power Current (Imp)	1.57 A
Open Circuit Voltage (Voc)	8.4 V
Short Circuit Current (Isc)	1.73 A
Solar Cell Efficiency	24%
Maximum Power Tolerance	0~+3W

Operating Conditions

Maximum System Voltage	600 V DC
Maximum Series Fuse Rating	10 A
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-60.08mV/°C
Temperature Coefficient of Imp	2.2mA/°C
Maximum Series Fuse Rating	10 A
Temperature Coefficient of Pmax	-0.38%/°C

STC - Irradiance 1000W/m2, Cell temperature 25°C, AM 1.5.*

Installation Requirements

- Consideration should be given to the area surrounding the Array to encourage appropriate, safe use by pedestrians and the space required for the application.
- Excavation depth of around 150mm.
- Ramping may be used where an excavation is not viable.
- Placement and assembly of the generators and substructure remain identical to the standard Pavegen System.
- For more info, visit the Groundworks and Pre-installation Specification document (TS103).