

BENEFITS

Non-Penetrating

Easily installed solar modules require no roof modifications or attachments

Lightweight

Aerodynamic, lightweight modules are easy to ship, handle, and install

Protects Your Roof

Protects rooftops from harsh weather, UV exposure and thermal cycling

Insulated to Reduce Costs

R-10 insulation saves up to 30% more energy by reducing a building's heating and cooling load

Deploys Rapidly

Interlocking, pre-engineered solar tiles lay directly on rooftop and install quickly without mechanical fastening

Scalable Design

Modular design scales easily for small to large-scale installations



Microsoft - 480 kW - Mountain View, California



PowerGuard is a simple, high-density system for rooftop installations. Its non-penetrating modular design delivers reliable, clean electricity while insulating and protecting your roof. PowerGuard's flat, lightweight solar tiles operate within your existing roof line and electrical system and install rapidly and securely without mechanical fastening.

Specifications and Details (SPR-305)

Attribute	Specification
Tile Weight	4 lb/ft ²
Tile Dimensions	Range: 41.5" x 62.6"
R-Value	R-10
Roof Penetrations	None, except high-wind areas
Power Output	1.72 kWp/100 ft ²
Deployment Option	Roof
High Wind Resistance	Up to 140 miles per hour
Warranty	Full system warranty



SunPower Solar Cells and Panels

PowerGuard features the most advanced and efficient solar cells and panels on the market

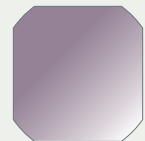
Key Attributes:

- All-back-contact design reduces sun blockage for higher efficiency output up to 22.4%
- 3.2 mm thick high transmission tempered glass enhances product stiffness and impact resistance
- Lower temperature coefficient enhances high temperature operation & energy output

Cell Front



Cell Rear



The PowerGuard technology is protected by US Patent Numbers 5,316,592, 5,505,788, RE 38,988 and 6,061,978. Other US and/or international patents issued or pending may apply.

About SunPower

SunPower designs, manufactures and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cells generate up to 50 percent more power than conventional solar cells. Our high-performance solar panels, roof tiles and trackers deliver significantly more energy than competing systems.