

ELECTRICITY AND HOT WATER

POWERPANEL™



Solar+Thermal

2 Patented technologies
1 compact footprint

All-Weather

Hurricane resistant
Lightweight

- 4 times the Energy Capture
- 40% less space
- 25 Year PV Performance



MADE IN THE USA

US Patent
8,476,522

THE POWER PANEL™

The Power Panel™ combines standard photovoltaic technology with polymer plastics and silicone encapsulants to create active cell cooling and an innovative thermal transfer system in an integrated hybrid enclosure, producing both solar hot water and highly efficient, low-cost electricity in a single product.



Scalable to any configuration



Smart Electric
Power Alliance





● SPECIFICATIONS

PVT-Glazed, Flat Plate, Unpressurized
 Flow Rate: 0.0406 kg/(s m²)
 Fluid Capacity: 2.0 liters (0.5 gallons)
 Gross Area: 0.88 m² (9.47 ft²)
 Working Fluid: Water

● QUALIFICATIONS

Intertek/ETL: 4010192
 Conforms to UL 1703 and UL 1279
 Certified to ULC/ORD C1703
 FSEC Reg. - PV: PD14-NT90-0101
 FSEC Reg. - Thermal: 100569
 SRCC Registration Number: 2012015A
 Y Intercept : 0.751
 Slope = -3.570 Watts/m² deg K

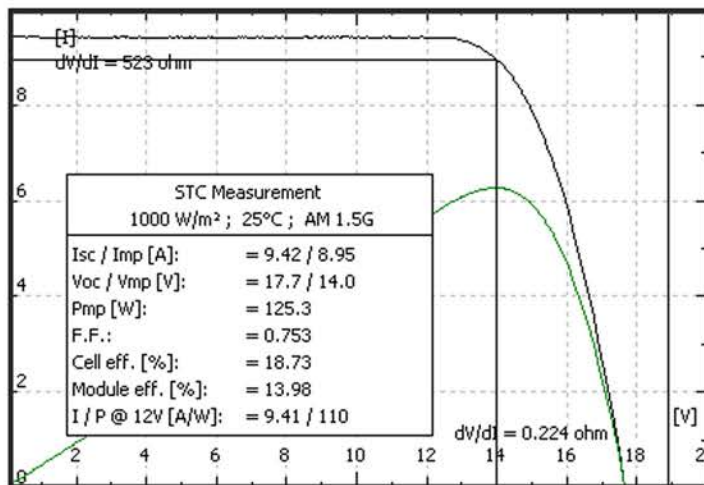
● Size

Height: 1294mm
 Width: 685mm
 Thickness: 111.1mm
 Mass: 18.14 Kg

TECHNICAL

The Power Panel™ module (PVT1) only, is Certified to SRCC and FSEC PV and Thermal standards.

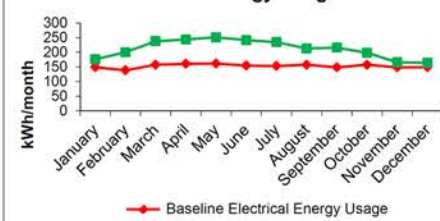
Electrical Data - Standard Test Conditions



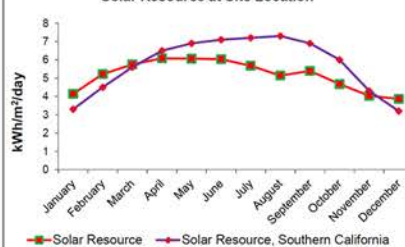
Construction

Cell Type	Monocrystalline, 156mm, 3 Busbar,
No. of cells	28 (7 cell array x 4 strands)
Dimensions	1294mm x 685mm x 111.1mm (50.94 in. x 26.97 in. x 4.37 in.)
Weight	16.8 Kg (37 lbs.)
Top Glass	Low-Iron, Clear, Tempered, 3.2mm (.125 in.) thickness
Enclosure	Molded Plastic and Engineered Foam
Cable	12 AWG, 19 Strand, Tinned Copper PV Wire
Connectors	Tyco SolarLok

Electrical Energy Generated vs Electrical Energy Usage



Solar Resource at Site Location



Thermal Energy Generated vs Usage

