

Starting to Distribute Photovoltaics and Accessory

Our Starter Kit is a grid-tie system that is pre-engineered to be modular and easy to expand. Currently, the kit(s) include mono-crystalline 180W panels. The panel is certified by [UL](#), [TUV](#), [IEC](#), [CE](#), [IS 9000](#), [ISO14000](#), and [ISO18000](#). Energy conversion is handled by micro-inverters, being 25% more efficient than conventional single inverter systems.

1080W Starter Kit

- Price starts at \$7500*
- 1080 watt system
- 25% savings on the average electricity bill
- 6 monocrystalline panels
- Modular, aluminum racking system
- 6 microinverters
- Federal Tax Credit - \$2250.00
- State Tax Credit - \$2625.00
- Total Tax Rebate - \$4875.00
- **Net Cost - \$2625**

2160W Starter Kit

- Price starts at \$13,500*
- 2160 watt system
- 50% savings on the average electricity bill
- 12 monocrystalline panels
- Modular, aluminum racking system
- 12 microinverters
- Federal Tax Credit - \$4050.00
- State Tax Credit - \$4725.00
- **Net Cost - \$4725**

*Warranty: 25 years; Prices do not include installation;

*The starter kits can be expanded to suit your needs (see below).

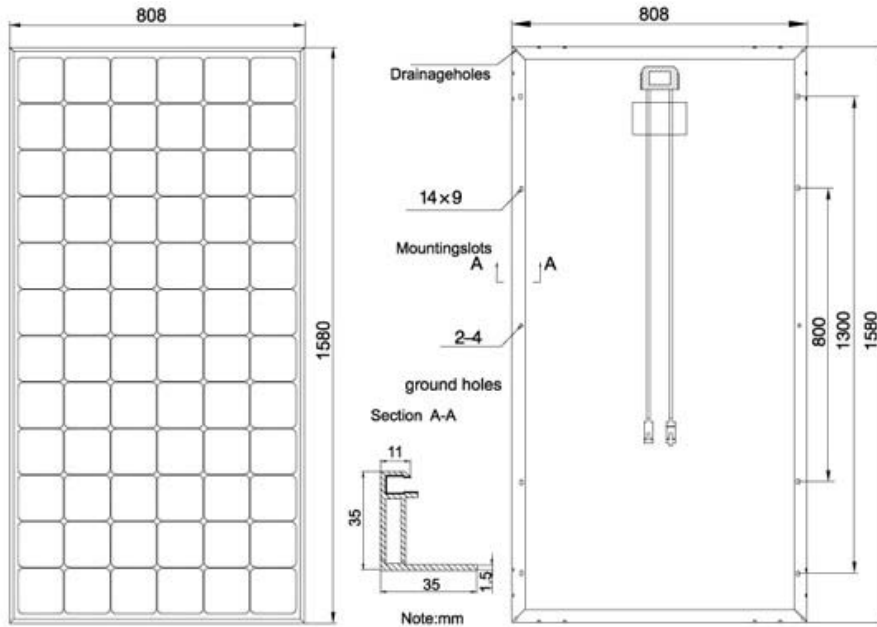


Microinverter

Traditional, centralized inverter systems use all the panels in the solar system to calculate the amount of power to draw from the system. Thus, traditional systems are limited to the lowest producing solar panel.

TPSolar's solution is a unique micro-inverter which attaches to each solar panel to more accurately calculate and maximize the amount of power to draw. By using the Microinverter system, solar power systems are no longer restricted to the lowest producing panel. Tests show that systems using micro-inverters are able to produce 25% more energy than traditional inverter systems.

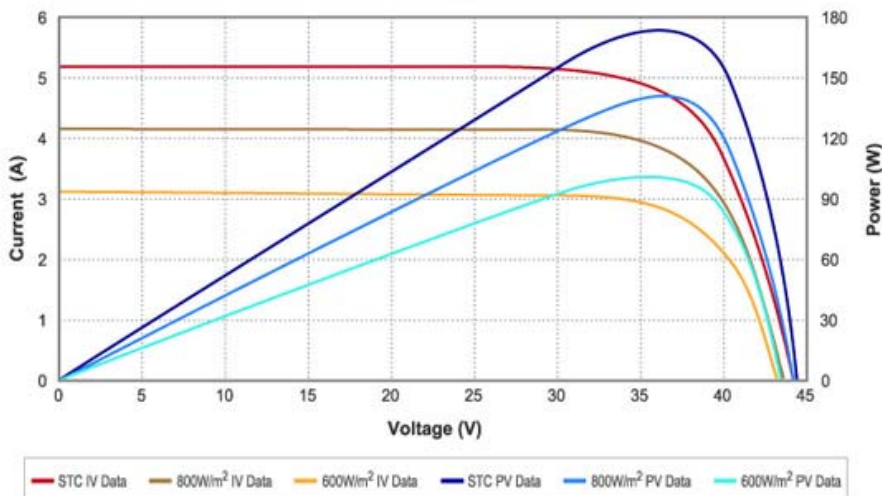
Panel Specification



Dimensions(HxWxD)	Number of cells	Weight
1580×808×35 mm	Monocrystalline (6×12)	33 pounds

Maximum power (Pm).....	180 watts
Maximum power voltage (Vpm).....	36 volts
Maximum power current (Ipm).....	5.00
Open circuit voltage (Voc).....	44.8
Short circuit current (Isc).....	5.30

CurrentPower v.s. Voltage Characteristics



Services We Provide

- System design.
- Material sourcing.
- Installation and integration.
- Financing.

Cost Analysis: Incentives

State of Hawaii: 35% of actual cost, or \$5,000, whichever is less.

Federal government: 30% with no cap.

The rebates are available per year. Proper planning can make systems more affordable by installing in stages, while receiving the maximum tax rebate possible.

Hawaii State - Tax Incentives				
System Cost	\$7,500	\$15,000	\$22,500	\$30,000
30% Federal Tax Credit (No Cap)	\$2,250	\$4,500	\$6,500	\$9,000
35% State Tax Credit (\$5,000 cap)	\$2,625	\$5,000	\$5,000	\$5,000
Total Tax Credit	\$4,875	\$9,500	\$11,500	\$14,000
Cost after credits*	\$2,625	\$5,500	\$11,000	\$16,000
Multi-Stage Install				
\$22,500 System	Year 1	Year 2	Year 3	Total
Yearly Cost	\$7,500	\$7,500	\$7,500	\$22,500
30% Federal Tax Credit (No Cap)	\$2,250	\$2,250	\$2,250	\$6,750
35% State Tax Credit (\$5,000 cap)	\$2,625	\$2,625	\$2,625	\$7,875
Total Tax Credit	\$4,875	\$4,875	\$4,875	\$14,625
Cost after credits*	\$2,625	\$2,625	\$2,625	\$7,875

Financing Options

The federal government provides federal loans, both residential and commercial. Energy Efficiency Mortgages, or EEMs, are loans home

and business owners can use to finance energy efficiency improvements to existing buildings.

EEMs are available through the FHA and the VA. FHA loans allow lenders to add 100% of the costs of energy efficiency improvements to existing mortgages, by insuring loans of up to 5% of the appraised value of a home, or \$4,000, whichever is the greater, with a cap of \$18,000.

EEMs are also available through Energy Star, Fannie Mae and Freddie Mac. Energy Star loans are not guaranteed by the federal government, but they currently provide a listing of 49 financial institutions that will provide loans specifically for energy efficient new homes or improvements to existing homes. Private lenders such as Fannie Mae and Freddie Mac also provide conventional energy efficiency mortgages as well.

Installation Examples:



[Contact Us Now:](#)

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Further incentive Offers with free Electric Bikes/Scooters