

**High Efficiency Grid-Tied Kit**

Grape Solar poly-crystalline photovoltaic modules
 PVP Powered PVP-4800 inverter
 UniRac mounting system

Overview

The Grape Solar 4600Watt Grid-Tied PV Kit can generate between 420kWh and 840kWh of electricity per month. This works out to roughly 2/3rds of the electrical power consumption of an average 1200SF home. The kit consists of Grape Solar CS-P-230-DJ Poly-Si modules, a PVP4800 inverter and a roof-top racking system for mounting the modules.

Unlike other generators, there are no mechanical moving components in the Grape Solar 4600 Watt Grid-Tied Kit; therefore, maintenance is virtually non-existent.

Applications

- Grid-tied solar power station
- Residential or Commercial
- Roof-top asphalt shingle mounts (other options available upon request)

Warranty*Grape Solar Panels*

- 10 year limited product warranty on materials and workmanship
- 10 year warranty on >90% power output
- 25 year warranty on >80% power output
- Refer to warranty document for detailed warranty information

PV Powered Inverter

- 10 year limited product warranty on materials and workmanship

UniRac Racking

- 10 year limited product warranty on materials and workmanship

Incentives

This kit is eligible for federal, state and local utility rebate/incentive programs. For more information visit <http://www.dsireusa.org> or call Grape Solar to locate a knowledgeable installer near you.

Output

To determine what percentage of your utility bill this kit will offset, call Grape Solar for a quick analysis.



Package Wattage (W)	4600
PV Module	CS-P-230-DJ
# of Modules	20
Inverter	PV Powered PVP-4800
# of Inverters	1
Inverter Accessories	Inverter-Integrated AC/DC System Disconnect
Racking System	For array direct mounting on asphalt shingle pitch roof or curved tile roof. Wind load 85mph. Attachment Span 48".
168" Rail (Aluminum, Clear Anodized)	0
126" Rail (Aluminum, Clear Anodized)	8
84" Rail (Aluminum, Clear Anodized)	8
QuickMount for Composition, QMSC A.	40
UniRac Serrated L-Feet Clear Anodized	40
Grounding Lug with Mounting Hardware	8
UniRac Grounding Clip 1 (UGC-1)	24
Wiley Bonding Jumper	8
UniRac Clamp END "D" 38-40 mm Module, Clear Anodized	16
UniRac Clamp MID "A, B, C & D" Module, Clear Anodized	32
UniRac Standard Rail Splices	8
UniRac Bolt, 1/4"x 5/8", Flange Nut (Bag of 20) for micro-inverter attachment	0
AC Junction Box	0
Micro-inverter installation kit (EKIT)	0
Roof Space Required for Array Direct Mounting (ft²)	360
Array Layout	4 rows of 5 panels
Inverter String Sizing	2 x 10

www.GrapeSolar.com

For service, support or qualified installers, please call

1-877-264-1014

Consult your local utility company for grid connection

Grape Solar reserves the rights to modify these specifications without notice.

Rev.01•0511