



**High Efficiency Grid-Tied Kit**  
 Grape Solar poly-crystalline photovoltaic modules  
 PVP Powered PVP-2000 inverter  
 UniRac mounting system

### Overview

The Grape Solar 2300Watt Grid-Tied PV Kit can generate between 210kWh and 420kWh of electricity per month. This works out to roughly 1/3rd of the electrical power consumption of an average 1200 square foot home. The kit consists of Grape Solar CS-P-230-DJ Poly-Si modules, a PVP-2000 inverter and a roof-top racking system for mounting the modules.

Unlike other generators, there are no mechanical moving components in the Grape Solar 2300 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.

**[www.GrapeSolar.com](http://www.GrapeSolar.com)**

**For service, support or qualified installers, please call**

**1-877-264-1014**

|   |  |
|---|--|
| <b>Package Wattage (W)</b>  | <b>2300</b>  |
| <b>PV Module</b>  | <b>CS-P-230-DJ</b>   |
| <b># of Modules</b>   | 10   |
| <b>Inverter</b>   | PV Powered PVP-2000  |
| <b># of Inverters</b>   | 1  |
| <b>Inverter Accessories</b>   | Inverter-Integrated AC/DC System Disconnect  |
| <b>Racking System</b>   | 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)  | 4  |
| 84" Rail (Aluminum, Clear Anodized)   | 4  |
| QuickMount for Composition, QMSC A.   | 20   |
| UniRac Serrated L-Feet Clear Anodized   | 20   |
| Grounding Lug with Mounting Hardware  | 4  |
| UniRac Grounding Clip 1 (UGC-1)   | 12   |
| Wiley Bonding Jumper  | 4  |
| UniRac Clamp END "D" 38-40 mm Module, Clear Anodized                          | 8  |
| UniRac Clamp MID "A, B, C & D" Module, Clear Anodized                         | 16   |
| UniRac Standard Rail Splices  | 4  |
| 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  |
| <b>Roof Space Required for Array Direct Mounting (square feet)</b>            | <b>180</b>   |
| <b>Array Layout</b>   | 2 x 5  |
| <b>Inverter String Sizing</b>   | 1 x 10   |

**Consult your local utility company for grid connection**

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

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