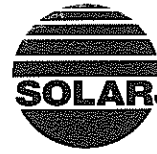


# SOLARJACK™ SJ-5100



SOLAR PUMPING PRODUCTS  
A Division of Photocomm, Inc.

## Solar Electric Module

The Solarjack SJ-5100, a state-of-the-art photovoltaic module, is the perfect medium-sized module for water pumping systems. Engineered for real world situations, the SJ-5100 delivers sufficient voltage to directly power Solarjack water pumps and general battery charging under all climate conditions.

### Features

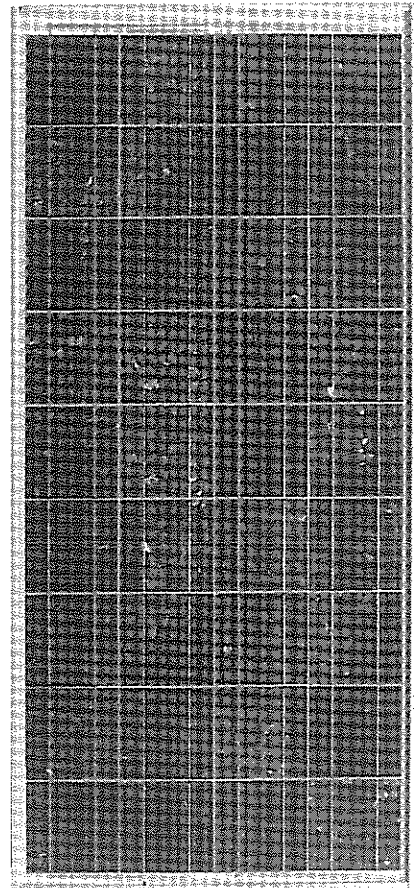
- Convenient 50-watt modular building block
- Spacious junction box for ease of wiring
- Selectable voltage (6 or 12 volt)
- 10-year warranty

### Construction

- 114 mm square semicrystalline solar cells
- 36 (12V) or 18 (6V) series connected cells
- Low Iron, tempered glass front surface
- EVA/Tedlar laminate
- Rugged, corrosion-resistant anodized aluminum frame
- Conduit-ready, weather-resistant junction box

### Applications

- Pumping systems for irrigation and livestock watering
- Rural or remote village water supplies
- Water quality and environmental data monitoring systems
- Desalination systems
- Electrification of remote villages
- Medical facilities and schools in rural areas
- Remote or rural home lighting systems
- General battery charging



**SJ-5100**

### Typical Electrical Specifications\*

• Peak Power (Pp)	50 Watts
• Open circuit voltage (Voc)	20.6 Volts
• Maximum Power voltage (Vmp)	16.6 Volts
• Short circuit current (Isc)	3.33 Amps
• Maximum power current (Imp)	3.00 Amps

### Typical Physical Specifications

• Weight	15.9 lbs. (7.2 kg)
• Dimensions	43.8 x 19.8 in. x 2 in. (111 x 50 x 5 cm)
• Individually boxed	19.0 lbs. (8.6 kg)
• Numbers per pallet	50 modules
• Approx. pallet weight	975 lbs. (418.2 kg)
• Pallet dimensions	84 x 46 x 42 in. (213 x 117 x 107 cm)

\*NOTE: Electrical specifications are under standard test conditions; Irradiance of 1kW/m<sup>2</sup>, spectrum of 1.5, air mass and cell temperature of 25° C.