The **Model SPK Solar Panel** makes it possible to use Dwyer flowmeters in remote applications where a reliable source of electricity is not available or practical. The SPK is intended for use with a standard 12 V, 22 to 33 amp-hour sealed lead acid battery (not included). It comes standard with a charge controller and corrosion-resistant mounting hardware. The SPK can also be used to provide up to a 40-day back-up power supply for periods of darkness.

**APPLICATIONS**
- Remote metering applications where electricity is unavailable.
- Back-up power supply for uninterrupted operation.

**SPECIFICATIONS**
- Temperature Limits: -40 to 158°F (-40 to 70°C).
- Output: 17 V @ 290 mA.
- Charge Controller: High efficiency PWM regulator with temperature compensation and built-in lightning protection.
- Mounting: Bracket, band clamps and mounting hardware for 1-1/2 to 2” vertical pipe included.
- Weight: 4 lb (1814 g).

---

The **Series PWD Pulse Divider** is designed for pacing electronic metering pumps. The enclosed rotary switch setting mechanism can be manually set to any number from 0 to 9999 pulses. Once the divider has received the set number of pulses from the meter, it outputs one pulse to stroke the pump. The PWD is also useful in boiler and cooling tower feed and bleed operations, and for lowering frequency output of high frequency meters. The PWD is available in two different housings, one is an enclosure that can be mounted near the pump, and the other is a watertight housing for mounting on the meter.

**APPLICATIONS**
- Electronic metering pumps
- Boiling/cooling tower feed and bleed
- Lower frequency output or high frequency meters

**SPECIFICATIONS**
- Input: Pulse wave 350 Hz (pulses/s) max.
- Temperature Limits: 0 to 130°F (-18 to 55°C).
- Output: Solid state relay 0 to 250 VAC/DC @ 170 mA max., 0.1 s pulse width, 8 Hz max. (rotary DIP switch selectable).
- Power Requirements: 7 to 30 VDC @ 4 mA, 20 mA max.
- Electrical Connection:
  - Input: PWD-W: Dwyer connector; PWD-M: Terminal;
  - Output: PWD-W: Pump connector (on 24” (0.61 m) lead); PWD-M: 18’ (5.5 m) lead.
- Mounting: See model chart.
- Weight: 4.4 lb (2000 g).