

## Solar Power Converter (optional) Bidding Specifications

Solar Power Converter(s) shall be model SPC-2 as manufactured for Irritrol Systems.

**Operation:** Converter shall be able to easily convert all style IBOC and IBOC Plus controllers to solar power.

**Construction:** Converter shall include vandal-resistant Duravolt™ solar electric module. Converter shall have fully self-contained design to eliminate the need for lantern battery. Solar to load ratio shall be 6-to-1 to provide full power to IBOC Plus with just two hours of direct sunlight per day. Solar amp/hours per day shall be 600mAh, typical. Load amp/hours per day shall be 100mAh, typical. Converter shall be able to be remote mounted up to 80 feet (24 m) away from IBOC Plus.

### Solar Power Converter Remote Operation Wire Sizing Chart

<u>Wire size (Awg)</u>	<u>16</u>	<u>14</u>	<u>12</u>
<u>Distance (Ft)</u> 30	50	80	N/A.
<u>Wire size (mm)</u>	,5	,8	1,5
<u>Distance (m)</u> 9	15	24	N/A

*Converter shall have two-piece design that uses allen bolts and gaskets to ensure easy, water-resistant and vandal-resistant installation. Design shall be maintenance free and include maintenance-free gel cell battery with a 3-year life expectancy.*