### Drawing Details
- **Panel Number:** P103
- **Revision:** R3B
- **Engineer:** TK
- **Checked By:** SM
- **Date Created:** 2017-07-06
- **Date Modified:** 2018-07-23
- **Changes:** Production Release

### Construction
- **Substrate:** Charcoal APC
- **Encapsulant:** Urethane
- **Top Layer:** Urethane
- ** Wire Number:** W017
- ** Wire Length:** 260 ± 10
- **Strain Relief:** Metal Bracket
- **Attachment:** 4X 4-40 Screws

### Power Specifications
- **Output Tolerance:** ± 10% of Voltage and Current
- **Solar Cell:** EEPV EE6E3C 3BB
- **Nominal Efficiency:** ≥ 19.5%
- **Cell Pieces:** 12
- **Panel Electrical Ratings**
  - **Nominal:**
    - Open-Circuit Voltage (Voc): 7.67
    - Voltage at Max Power (Vp): 6.50
    - Short-Circuit Current (Isc): 0.62
    - Current at Max Power (Ip): 0.58
  - **Expected:**
    - Voltage Range (V): 7.28
    - Power Range (W): 6.18
    - Power Range (A): 0.60
  - **Waterproof Rating:** IP67
  - **Maximum Power:** 3.79
  - **Wattage:** 3.42

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