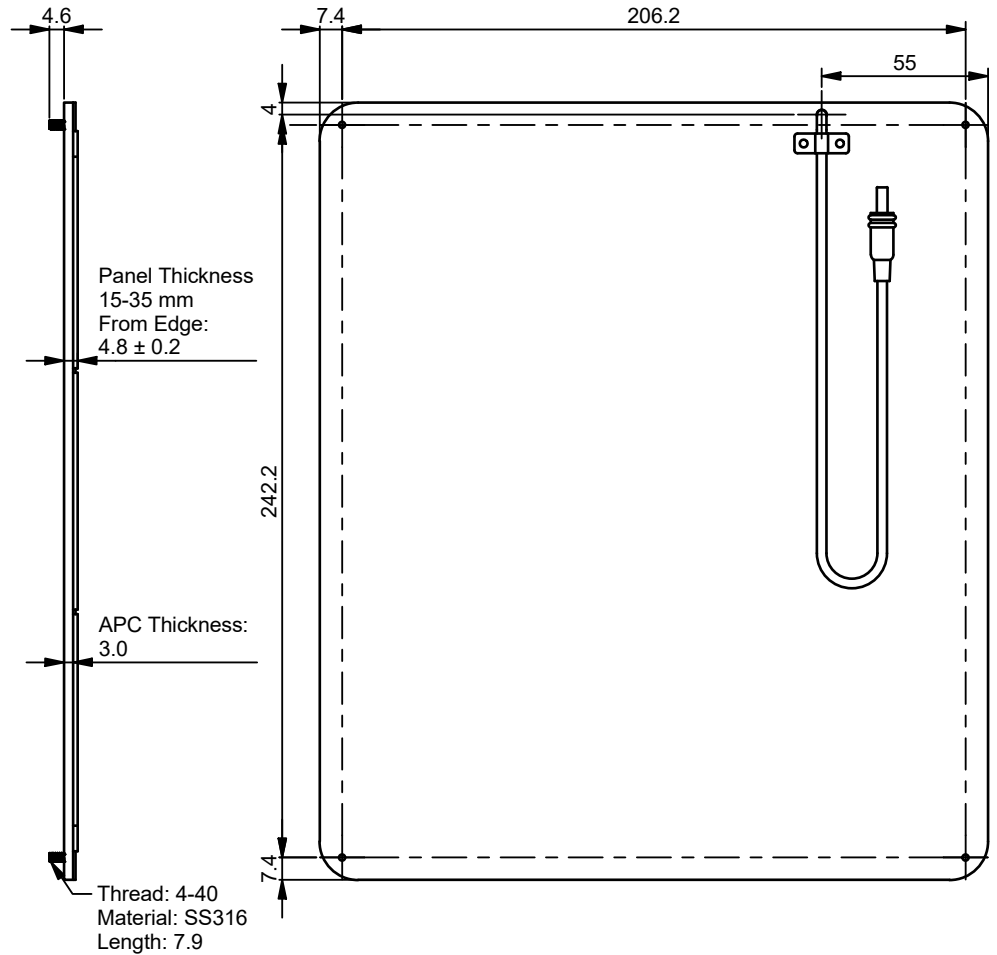


Front



Side

Back



Drawing Details

| | |
|----------------|--------------------|
| Panel Number: | P109 |
| Revision: | R1B |
| Engineer: | TK |
| Checked By: | SM |
| Date Created: | 2013-09-16 |
| Date Modified: | 2017-07-19 |
| Changes: | Production Release |
| Tolerance: | ± 0.3 |
| Units: | mm |
| Scale: | 1 : 2.5 |
| Sheet: | 1/2 |

Construction

| | |
|--------------------|----------------|
| All Materials | RoHS Compliant |
| Substrate: | Charcoal APC |
| Encapsulant: | Urethane |
| Top Layer: | Urethane |
| Wire Number: | W017 |
| Wire Length: | 260 ± 10 |
| Strain Relief: | Metal Bracket |
| Attachment: | 4X 4-40 Screws |
| Waterproof Rating: | IP67 |

Power Specifications

| | | | | |
|---|-----|-----------------|----------|---|
| Output Tolerance: $\pm 10\%$ of Voltage and Current | | | | |
| Solar Cell: EEPV EE6E3C 3BB | | | | |
| Nominal Efficiency: $\geq 19.5\%$ | | Cell Pieces: 12 | | |
| Panel Electrical Ratings | | Nominal | Expected | |
| Open-Circuit Voltage | Voc | 7.67 | 7.28 | V |
| Voltage at Max Power | Vp | 6.50 | 6.18 | V |
| Short-Circuit Current | Isc | 1.56 | 1.50 | A |
| Current at Max Power | Ip | 1.46 | 1.39 | A |
| Maximum Power | Wp | 9.49 | 8.56 | W |

