Expedited Permitting

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Solar ABCs
PV Stakeholder Meeting

Is it ever going to be done?

• Yes!
  – Stay tuned for the published version by mid-November at www.solarabcs.org/permitting

• No
  – The work will continue to evolve to add features and diagrams to address more permit options (e.g. line-side connections, modular inverters, ac modules, etc…)
## PV Module Ratings (Ref. IEC 61701)

<table>
<thead>
<tr>
<th>Module Make</th>
<th>American Solar</th>
<th>Module Model</th>
<th>AG 175</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Power (Wp)</td>
<td>175 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Power Point Voltage (Vmp)</td>
<td>38.6 V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Power Point Current (Imp)</td>
<td>4.55 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>44.6 V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>5.3 A</td>
<td></td>
<td></td>
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<tr>
<td>Max Operating Flex</td>
<td>10 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Module Output (Recom)</td>
<td>175 W</td>
<td></td>
<td></td>
</tr>
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<td>38.6 V</td>
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<tr>
<td>Max Power Point Efficiency (η)</td>
<td>10.3%</td>
<td></td>
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</tr>
</tbody>
</table>

### Notes for Applicability

- **Module Voltage**: 44.6 V
- **Module Current**: 5.3 A
- **Module Efficiency**: 10.3%

### Notes for Design

- **Module Output**: 175 W
- **Module Weight**: 2.4 kg

### Electrical Specifications

- **Max Power Voltage**: 38.6 V
- **Max Power Current**: 4.55 A
- **Max Power Point Efficiency**: 10.3%

### Electrical Protection Device

- **Typical Max Voltage**: 480 V
- **Typical Max Current**: 10 A
- **Protection Scheme**: Inverter

### Inverter Details

- **Inverter Make**: American Inverter
- **Inverter Model**: AG 175

### System Configuration

- **DC Solar Panel Disconnect**: Yes
- **AC Power Disconnect**: Yes

### Solar Panel Array

- **Array Configuration**: Single
- **Array Efficiency**: 10.3%
- **Array Weight**: 2.4 kg

### System Dimensions

- **System Width**: 120 cm
- **System Height**: 100 cm

### System Capacity

- **System Capacity**: 175 W

### Safety and Installation

- **Grounding**: As per NEC 705.5
- **Electrical Safety**: As per NEC 705.5

### System Certification

- **CE Mark**
- **UL Listed**

### Manufacturer Contact Information

- **Contact Name**: John Doe
- **Company**: American Solar

### Additional Notes

- **Notes for One-Line Standard Electrical Diagram**: For Single-Phase PV Systems
- **Specifications**: As per NEC 705.5