Application Note - Horizontal Mounting of Three Phase Inverters

Revision History
- Version 1.3, Nov. 2020 - Addition of inverter models SE17.3KUS and SE40KUS in North America

Introduction
SolarEdge three phase inverters can be installed horizontally (above 10° tilt) as well as vertically, and at any tilt over 10° up to 90°. Horizontally mounted inverters can be installed under or near the modules, thus saving roof space and minimizing shading on the installation surface.

The following inverters can be installed horizontally:

<table>
<thead>
<tr>
<th>North America</th>
<th>Europe &amp; APAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE14.4KUS, SE17.3KUS, SE30KUS, SE33.3KUS, SE40KUS, SE43.2KUS, SE66.6KUS, SE100KUS</td>
<td>Three phase inverters manufactured April 1 2015 and later, excluding inverters with part numbers: SExK-xx00Exxxx</td>
</tr>
</tbody>
</table>

This application note provides guidelines for non-vertical installation. These guidelines should be followed in addition to the installation instructions provided in the SolarEdge Installation Guide. Failure to follow these guidelines may void the inverter warranty.

Installation Guidelines
- Install the inverter in a location where it will not be submerged in snow or water.
- Mount the bracket and hang the inverter as described in the SolarEdge Installation Guide. Make sure to keep the required clearance.
- Always install the inverter with the cover facing up.
- Maintain at least a 10 degree incline of the inverter.
- Avoid applying any pressure on the inverter and Safety Switch (if included) enclosures.
- If the inverter includes a Safety Switch:
  - SolarEdge recommends securing the Safety Switch using the Safety Switch bracket.
  - For Safety Switches with conduits, ensure proper conduit sealing; inspect the entire conduit run and use standard conduit sealants to avoid water penetration.