



SUNPOWER AC MODULES: NEW INSTALLER CHECKLIST

There are a few other important points to keep in mind before an install (which is different to a standard microinverter + panel installation):

GET STARTED

Action		☑
1	Review the Safety & Installation Guide paying close attention to the rail positions and clamping zones.	
2	Create installation design map to determine panel orientation.	
3	Use the SunPower AC Module Q Cable Management Guide to determine which Q Cable length you will need.	
4	Use the Enphase BOS calculator to determine additional Enphase components required to complete your AC module installation.	

ON-SITE

Action		☑										
1	Ready site (roof) for AC MODULE installation											
2	Install the Field-wireable connector pair, optional J-Box, and Mark your cable locations											
3	Remove the serial number from microinverter on the ground and stick them onto your sample layout (for array builder in Enlighten)											
4	<p>Ensure microinverter is functional by checking each microinverter's LEDs:</p> <ul style="list-style-type: none"> The status LED lights green about six seconds after DC power is applied. It remains lit solid for two minutes, followed by six green blinks. After that, red blinks indicate that no grid is present if the system is not yet energized. Any short red blinks after DC power is first applied to the microinverter indicate a failure during the microinverter startup. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">LED Color</th> <th>Indication</th> </tr> </thead> <tbody> <tr> <td>Flashing GREEN</td> <td>Normal operation. AC grid function is normal and there is communication with the Envoy.</td> </tr> <tr> <td>Flashing ORANGE</td> <td>The AC grid is normal but there is no communication with the Envoy.</td> </tr> <tr> <td>Flashing RED</td> <td>The AC grid is either not present or not within specification.</td> </tr> <tr> <td>SOLID RED</td> <td>There is an active "DC Resistance Low, Power Off Condition". To reset, see "DC Resistance Low – Power Off Condition" on page 21 of the Enphase IQ7 Installation manual.</td> </tr> </tbody> </table> <p>For further guidance, see the LED section of Enphase manual.</p>	LED Color	Indication	Flashing GREEN	Normal operation. AC grid function is normal and there is communication with the Envoy.	Flashing ORANGE	The AC grid is normal but there is no communication with the Envoy.	Flashing RED	The AC grid is either not present or not within specification.	SOLID RED	There is an active "DC Resistance Low, Power Off Condition". To reset, see "DC Resistance Low – Power Off Condition" on page 21 of the Enphase IQ7 Installation manual.	
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5	<p>Position the AC module + pull each microinverter out of the cradle before placing the modules on rail</p> <p style="text-align: center;">Shipping Position:</p> <div style="text-align: center;">  </div> <p style="text-align: center;">Install Position:</p> <div style="text-align: center;">  </div>											

6	Position the Enphase Q Cable according to the best practices guide. If feasible secure portions of Q-cable along modules frames using suitable cable clips before passing/lifting the modules to the roof	
7	Connect microinverters to the Q Cable connector	
8	Place the module on rails according to the installation map Please ensure to position the rail and Q Cable to maintain connection between Q Cable and microinverter on module backside.	
9	Clamp according to allowable mounting zones mentioned in S&I guidelines	
10	At the end of each row: <ul style="list-style-type: none"> • Terminate Q cable at last microinverter • Connect to J-Box 	
11	Energize system Refer to the Enphase IQ Envoy Installation and Operation Manual to activate the system monitoring and grid management functions.	

FOR ADDITIONAL SUPPORT

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[FAQ](#)