

Sunmodule SW225/230/235/240

Grounding Diagram Supplement to “Quick Guide for Users SolarWorld solar modules”

- Grounding of the module and frame

The company installing the PV module frame is also responsible for properly grounding. If the building is already equipped with an exterior lightning protection system the PV-installation must be integrated in the protection system against direct effects of lightning. Country specific standards must be adhered to.

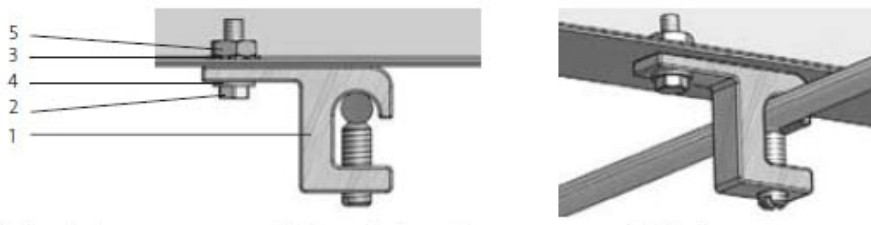
A grounding method authorized by UL is mandatory in the US and Canada.

Example UL:

The modules can be connected to the grounding holes using a lay-in lug and a screw with serrated washer, washer and nut.

Drawings:

Ground connection using a cable lug, a bolt, a serrated washer, a washer and a nut.



- 1) lay-in lug 2) Bolt 3) Serrated washer 4) Washer 5) Nut

We recommend using the components as listed below. Any UL approved PV grounding method and components are also acceptable in the US and Canada.

Table: Recommended components

Item	Description	Manufacturer/Distributor	Manufacturer Part Number
Grounding Lug	Lay-in Lug	IlSCO	GBL-4DBT
Bolt	#10-32, SS	McMaster Carr	92314A829
Serrated Washer	#10, SS	McMaster Carr	95584A205
Washer	ID 13/64", OD 7/16"	McMaster Carr	92141A011
Nut	#10-32, SS	McMaster Carr	91841A011