

UNI-SOLAR[®] Photovoltaic Products Limited Warranty

Product Class	Roofing Laminates	Roofing Shingle	Framed Modules	Framed Modules	Framed Modules	Flexible Modules
Series	PVL-29-136	SHR-17	ES62, 124 US32-116	US5-21	US3	FLX5 – FLX32
Warranty Period	20 years	20 years	20 years	10 years	3 years	5 years
Conditions	A	D	B	C	C	C

Condition A: PV laminates which upon inspection by United Solar Ovonic or its appointed agent exhibit a power output of less than 80% of the Rated Power (@STC) specified at the time of sale, as measured at the Quick Connect or Junction Box output terminals, due to defects in materials or workmanship of the PV Laminate bonded to certified steel¹ will, at the option of United Solar Ovonic be repaired or replaced, or, United Solar Ovonic will refund an amount equal to lost power times the amount paid for the module per watt of Rated Power. Lost power is the difference between the exhibited power and 80% of the Rated Power of the PV Laminates, both at Standard Test Conditions. This warranty does not apply to any PV laminates that have been applied to non-certified steel, and/or without strict adherence to installation procedures outlined in the current version of UNITED-SOLAR “Field Applied PV Laminates Installation Guide for Steel Roof Systems.”

Condition B: Framed modules which upon inspection by United Solar Ovonic or its appointed agent exhibit a power output of less than 80% of the Rated Power (@STC) specified at the time of sale, as measured at the Junction Box output terminals, due to defects in materials or manufacturing workmanship of the PV module will, at the option of United Solar Ovonic, be repaired or replaced, or, United Solar Ovonic will refund an amount equal to lost power times the amount paid for the module per watt of Rated Power. Lost power is the difference between exhibited power and 80% of the Rated Power both at Standard Test Conditions.

Condition C: Framed or Flexible modules which upon inspection by United Solar Ovonic or its appointed agent exhibit a power output of less than 90% of the Rated Power (@STC) specified at the time of sale, as measured at the Junction Box output terminals, due to defects in materials or manufacturing workmanship of the PV module will, at the option of United Solar Ovonic, be repaired or replaced, or, United Solar Ovonic will refund an amount equal to lost power times the amount paid for the module per watt of Rated Power. Lost power is the difference between exhibited power and 80% of the Rated Power both at Standard Test Conditions.

Condition D: PV shingles which upon inspection by United Solar Ovonic or its appointed agent exhibit a power output of less than 80% of the Rated Power (@STC) specified at the time of sale, as measured at the positive and negative output wires, due to defects in materials or workmanship of PV Shingles will, at the option of United Solar Ovonic be repaired or replaced, or, United Solar Ovonic will refund an amount equal to lost power times the amount paid for the PV shingle per watt of Rated Power. Lost power is the difference between the exhibited power and 80% of the Rated Power of the PV shingles, at Standard Test Conditions. This warranty does not apply to any PV shingle that has not been installed directly on a standard roof deck with appropriate underlayment and/or without strict adherence to the shingle and shingle interconnection installation procedures outlined in the UL listed United Solar PV Shingle Installation Manual (UL File E182242: Vol.2, Sec1, Pages R5 –R21).

General (applies to all products listed on this document):

All warranty periods begin from the date of sale to the original purchaser. This warranty does not apply to any PV Laminates or Modules which, in the judgment of United Solar Ovonic, have been subject to misuse, neglect, or accident or which have been damaged through abuse, alteration, improper installation, or application, or negligence in use, storage, transportation or handling, or repaired by anyone other than United Solar Ovonic. The warranty does not cover any transportation costs for return of Modules or for reshipment of any repaired Module, or costs associated with installation, removal or reinstallation of Modules.

United Solar Ovonic shall have no responsibility for damage to person or property or other loss or injury resulting from defect in laminate or from improper use or installation. Under no circumstances will United Solar Ovonic be liable for any incidental or consequential damage. Any warranties implied by law, including those of merchantability and fitness for a particular purpose are hereby expressly disclaimed. This warranty is in lieu of all other warranties, expressed or implied. The purchaser's exclusive remedy shall be only stated herein.

The factory will not accept the return of any PV Roofing Laminate or Framed Modules unless United Solar Ovonic has given prior written authorization in the form of an issued Return Material Authorization (RMA).

To obtain a RMA # please contact:

Customer Service Warranty Claims

United Solar Ovonic
(248) 475-0100 Phone
(248) 362-0510 Fax

Notes:

¹ Certified Steel: Stainless Steel or Zinc-Aluminium galvanized steel pan (Galvalume®AZ50, AZ55, AZ60 or Zincolume® AZ150) coated with Kynar®500 or Hylar®5000 PVDF coating.