








# Eagle Solar Roof

## Product Comparison - Building Integrated Photovoltaics (BIPV)

	Aesthetics			Power Specs			Product Composition				Durability					Installation			Warranty	
	Product Photo	Panel Type	Color Options	DC STC	PTC	Output/SF	Frame	Cells	Dimensions	Weight	Water proof	Wind Rating	Snow load	Fire	Hail	Walkability	Grounding	Headlap	Installation Professional	Power Warranty
Eagle Solar Roof 50 Watt		Building Integrated Photovoltaic	 gray, brown, terracotta	50 watt	40.40 watt 19.2% drop	11.60 watt	Polycarbonate Plastic Corrosion Free	Polycrystalline Silicon	Overall: 17" x 47" x 1.25" Exposed: 13.5" x 46" x 1.25" Tile Area: 5.55 SF Exposed Area: 4.31 SF  A shorter length tile aids in better utilization of area available for PV layout and a smaller tile is easier to handle while installing.	14 lbs 325 lbs/100 SF	Interlocks with concrete roof tile to help prevent water intrusion. No additional waterproofing required	80 mph with standard installation	200 lbs/SF	2 layers 30 lb felt, 2 layers GAF/Eik Versashield FB2S for Class A	1" hail stone at 50 mph	Tiles can be walked on.	Not required due to Polycarbonate Plastic Frame	3.5"	Roofer may install	Yes, 12 years at 90%, 25 years at 80%
Sharp 62 Watt		Building Integrated Photovoltaic	black	62 watt	54.5 watt 12.1% drop	11.84 watt	Black Double Anodized Aluminum	Polycrystalline Silicon	Overall: 15.6" x 59" x 1.3" Tile Area: 6.40 SF Exposed Area 5.24 SF  Large panel is difficult to maneuver and install in tight areas.	16.5 lbs 342 lbs/100 SF	Additional water proofing of the roof deck is required.	No listing	50 lbs/SF	Class C	No listing	Tiles cannot be walked on.	Required due to metal frame – extra cost in copper & labor	1"	Only solar professional may install	Yes, 10 years at 90%, 25 years at 80%
BP 65 Watt		Building Integrated Photovoltaic	black	65 watt (58.5W is warranted minimum)	57.2 watt 12.0% drop	11.6 watt	Aluminum - 7 piece frame, pop rivet and screws construction	Multicrystalline Silicon	Overall: 18" x 59.6" x 1.7" Tile Area: 6.40 SF Exposed Area: 5.59 SF  Large panel is difficult to maneuver and install in tight areas.	16.4 lbs 294 lbs/ 100 SF	Additional water proofing is required. There is no channel to remove water that finds its way under the panel which may result in a water dam leading to roof damage.	110 mph with wind clip batten	No listing	1 ply of 30 lb felt, and 1 layer of Versashield for Class A	1" hail stone at 52 mph	Tiles cannot be walked on.	Required due to metal frame – extra cost in copper & labor	3"	Only solar professional may install	25-year limited warranty of 80% power output; 12-year limited warranty of 90% power output; 5-year limited warranty of materials and workmanship.
SunPower 63 Watt		Building Integrated Photovoltaic	black	63 watt	57 watt 9.5% drop	11.5 watt	Aluminum - multi piece frame, pop rivet and screws construction	Monocrystalline Silicon	Overall: 17" x 59.4" x 1" Exposed Area: 5.48 SF  Large panel is difficult to maneuver and install in tight areas.	35 lbs 500 lbs/ 100 SF	Additional water proofing is required. Water damming is a possibility. SunPower covers warrants only the area under the solar panels potentially causing confusion with warranty claims.	110 mph wind rating	No listing	1 layer of 30# and 1 layer of Versashield for Class A	1" hail stone at 50 mph	Tiles cannot be walked on.	Required due to metal frame – extra cost in copper & labor	3.5"	Only solar professional may install	25 year limited power output warranty, 10 year system warranty, 10 year inverter warranty