

TENSIONED CABLE SYSTEM

For mounting Solar PV Panels

Olympic Energy System's innovative system mounts solar PV panels with no penetrations on the roof and no foundations in the ground.



Based on parts from the R1S mount

We can DEMONSTRATE the R1X (left) and G1M (right)



Patent 8,448,390

Patent 8,763,321



R1



G1



Hang

Hold Down

Hang

Hold Down

AVAILABLE in kits ready to install

ADVANTAGES abound...

Owners and installers need only provide off the shelf:

- Uni-Strut rails for roof systems
- Pier Blocks for ground systems

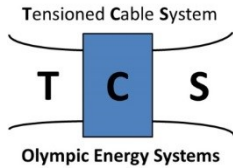
- Low impact to site
- Lower shipping costs
- Lower overall system cost
- Portable / Expandable
- Truly Sustainable mounting

Doing more with less, the Tensioned Cable System relies on basic principles and geometry to reduce material content and thus reduce embodied energy in the mounting system, lowering CO₂ emissions.

ASK about our fully installed solar array packages (with mounted PV)



Olympic Energy Systems, Inc. develops renewable energy systems and has begun production of its Tensioned Cable System (TCS) for mounting PV panels. Incorporated in April 2001 in Washington State.



The Tensioned Cable System (TCS) uses tensioned cables and geometrical structures to mount with little impact to the sites. Under development since 2009, the company acquired patents in 2013 and 2014, and began production of components in 2016 in Ohio.

1st production R1

1st production G1



Model ROOF Parameter	R1S-1 -2x12P 1 roof	R1S-2 -2x12P 2 roof	R1X-1 -2x3P 1 roof	R1X-2 -2x3P 2 roof
Footprint, feet	7.5x40	13x40	11x10	2 11x10
Tilt Angle, Roof	Pitch	Pitch	Pitch	Pitch
Number of PV	24	48	6	12
Wind, mph	90	90	90	90
Lifetime, years	25+	25+	25+	25+
Material (Steel is Powder Coated)	Al, SS, Steel	Al, SS, Steel	Al, SS, Steel	Al, SS, Steel
Warranty	1 year	1 year	1 year	1 year

Model GROUND Parameter	G1M-1 -12 1 span	G1M-2 -12 2 span	G1M-3 -12 3 span	G1-2 -12 2 span
Footprint, feet	4.5x26	4.5x39	4.5x52	4.5x38
Tilt Angle, deg.	30	30	30	30
Number of PV	3	6	9	6
Wind, mph	90	90	90	90
Lifetime, years	25+	25+	25+	25+
Material	Al, SS	Al, SS	Al, SS	Treated
Warranty	1 year	1 year	1 year	1 year

Roof and Ground Kits:

R1X (Eave to Eave anchoring)

G1M (metal) & G1 (treated)

Example: **G1M-1-12-D1-S2-[PB]-[A]-PV3**

1 Span of **12 feet** nominal length

D1 = 1.30" PV Frame Depth 0=1", **1=1.30**, 2=1.34,

3=1.40, 4=1.50, 5=1.60, 6=1.68, 7=1.80, 8=2.00

S2 = PV Back Frame Width (1"+2x.0625 = 1-1/8")

PB = Pier Blocks incl.; **A** = UnAssembled stanchion

PV3 = 3 (number of PV panels / span)

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Sunset the old...

and give rise

to the NEW...

The TCS

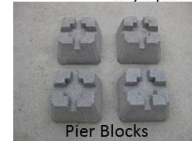


G1M-2 and -3 kits have concatenating hardware to add span

R1X-1 and -2 kits differ only in quantity of solar clamps.

Larger arrays formed by adding 2x3P arrays

Olympic Energy Systems, Inc.



Pier Blocks



Stanchions



Earth Anchors



End Cables



PV/OC Cables



PV Clamps



Cross Ties



PV Hangers

Rev 073118

Patented

G1M Ground Mount

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