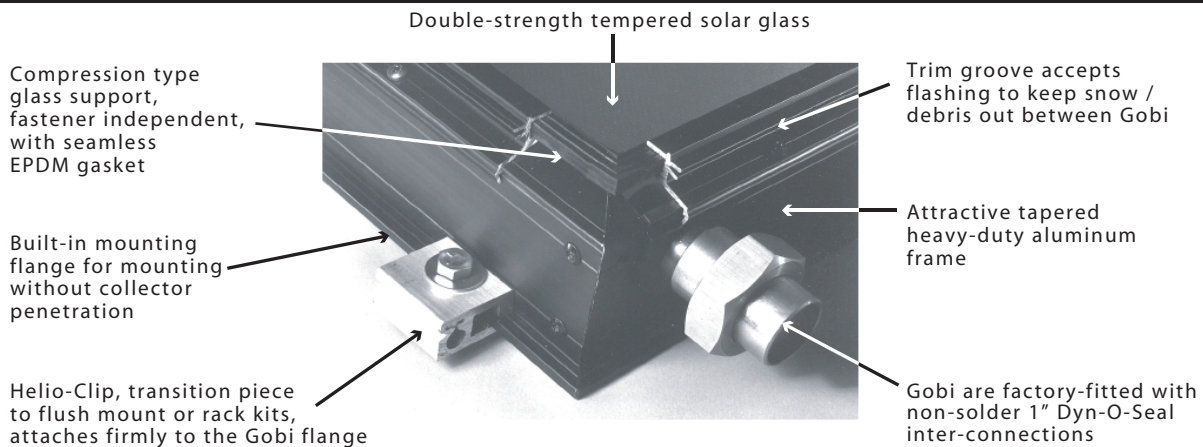


Gobi Solar Collector Specifications

Materials and Construction

Frame	6063-T6 Aluminum extrusion, bronze anodized
Backing	5052 Aluminum sheet
Glazing	Fully Tempered 5/32" (4 mm) low-iron solar glass, anti-glare finish
Glazing support	Fastener-independent, compression type
Glazing gasket	Continuous U-shaped EPDM with molded corners
Absorber plate	Copper fins 360° wrapped around copper tubes
Absorber coating	Blackchrome selective surface over nickel
Absorber tubes size	1/2" (12.7 mm) O.D.
Absorber tubes number	11 tubes (408 and 410), 10 tubes (3366)
Header grommets	Deep-grooved, wide-overlap EPDM
Header connections	1" machined brass Dyn-O-Seal unions with captive O-ring
Insulation	Fiberglass over aluminum-backed polyisocyanurate
Ventilation	Rain-shielded weep slots
Mounting	Built-in mounting flange all around the perimeter



Dimensions, Weights	Gobi 3366		Gobi 408		Gobi 410	
Box dimensions - Height:	88.56"	(2249 mm)	97.56"	(2478 mm)	121.56"	(3087 mm)
Box dimensions - Width:	43.56"	(1106 mm)	47.56"	(1208 mm)	47.56"	(1208 mm)
Header Width	46.19"	(1173 mm)	50.25"	(1276 mm)	50.25"	(1276 mm)
Union connections	1"	(25.4 mm)	1"	(25.4 mm)	1"	(25.4 mm)
Distance between Headers, O.D.	85"	(2159 mm)	94"	(2388 mm)	118"	(2997 mm)
Gross Area	26.8 ft ²	(2.49 m ²)	32.3 ft ²	(3.00 m ²)	40.3 ft ²	(3.75 m ²)
Dry Weight	108 lbs	(49.1 kg)	126 lbs	(57.3 kg)	153 lbs	(69.5 kg)
Fluid Capacity	0.97 gal	(3.67 L)	1.14 gal	(4.31 L)	1.34 gal	(5.07 L)

Ratings and Certifications

Operating Pressure	150 psi	(10.34 Bar)	150 psi	(10.34 Bar)	150 psi	(10.34 Bar)
Wind Load Certification	50 psf	(2.39 kPa)	50 psf	(2.39 kPa)	50 psf	(2.39 kPa)

Efficiency equation (SRCC/FSEC)

Y-intercept	0.734	0.737	0.737
Slope	0.825 BTU / h·°F·ft ² (4.68 W / m ² ·°C)	0.805 BTU / h·°F·ft ² (4.57 W / m ² ·°C)	0.805 BTU / h·°F·ft ² (4.57 W / m ² ·°C)
Incident Angle Modifier	0.09	0.09	0.09

FSEC Ratings: output per collector per day

Low Temperature	29.2 kBTU (8.55 kWh)	35.4 kBTU (10.4 kWh)	44.3 kBTU (13.0 kWh)
Medium Temperature	24.3 kBTU (7.12 kWh)	29.4 kBTU (8.62 kWh)	36.8 kBTU (10.8 kWh)

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