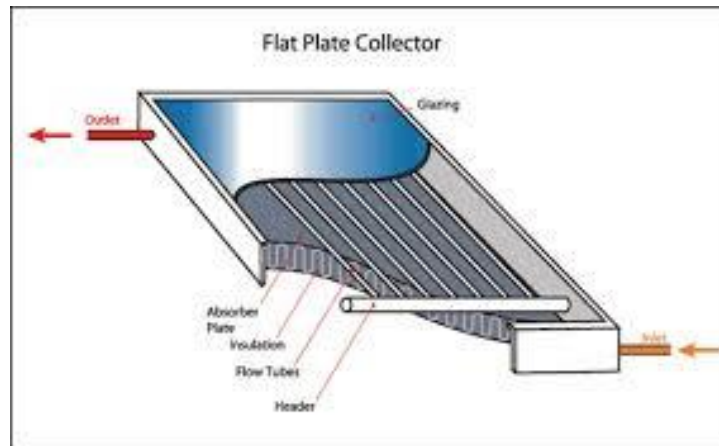


TECHNICAL SPECIFICATIONS OF GREENLIFE ENERGY's FPC



Certification	ISI Marked Solar Collectors
Overall Dimensions	2035 x 1035 x 100 mm
Weight	40 kgs
Collector Box	16 swg, 2127 Aluminium extrusion with attractive ribbing design for frame and 26swg aluminium sheet for backing, totally riveted and sealed with GE/Wacker Silicon Sealant.
Absorber Material	Fin : 40 swg (0.12mm) x 115mm x 1900mm Copper Sheet 99.9% pure. Tube:26 swg (0.56mm) x 12.7mm O.D x 1922mm copper 99.9% pure.
Absorber Coating	Black Chrome Selective Coating as per the NALSUN process.
Absorber Area	2 m ²
Absorptivity of Coating	Above 0.95
Emmissivity of Coating	below 0.20
Headers	2 Nos. Copper tubes, 26 swg (0.71mm) x 25mm O.D. X 1120mm.
Insulation	Rock wool slab of 50mm thickness and 48kg/m ³ density for bottom and Glass wool of 25mm thickness and 24 kg/m ³ density for sides Covered with 36 swg Aluminium Sheet for protection and support.
Reflective foil	Aluminium foil of 50 microns
Glazing	4mm Solar Toughened Glass having transmittivity of 89% and above.
Rubbers	EPDM Grommets and Glass bidding to withstand temperature and outdoor conditions.
Sealing	Completely sealed with silicon sealant for waterproof performance as per BIS specs.
Pressure Testing	Tested hydraulically up to 5 kg/sq.cm. for 4 hrs for no leakages.
Warranty	5 years trouble free performance (for soft water conditions only)

Model	Power	Cut Out	Lumens/W
GLES-PL-03	3 W	2.67"	
GLES-PL-04	4 W	2.55"	
GLES-PL-06	6 W	3.46"	
GLES-PL-08	8 W	3.93"	
GLES-PL-12	12 W	5.03"	
GLES-PL-15	15 W	5.90"	
GLES-PL-22	18 W	5.90"	