

FLAT PLATE SOLAR COLLECTOR

	2m2 -HIGH END	3m2-HIGH END
Dimension	2000*1000*95mm	2000*1500*95mm
Gross area	2.00 m ²	3.00 m ²
Diameter / quantity of the header pipe	φ22/2	
Diameter / quantity of the absorber pipe	φ10/9	φ10/14
Absorber plate Coating	Highly selective, aluminium titanium	
Side frame	Aluminium alloy, δ=1.2mm	
Glass cover	Anti-reflective, low-iron super-white textured reinforced glass /3.2	
Insulation	Glass wool, δ=50mm	
Efficiency based on gross area, under Solar Keymark, based on ISO9806:2013	0.805	0.783
Annual collector yield under Solar Keymark, based on ISO 9806:2013 (at mean fluid temperature of 50°C, location Würzburg) kWh	1002	1503
Maximum power [Wpeak] (G = 1000 W / m ²) per collector unit, W	1489.05	2217.97
Maximum operation pressure, Mpa	0.7	
Stagnation temperature	216.9°C	
Connection diameter, mm	22	
Allowed heat transfer medium	Water/glycol	
Loading quantity into 20' / 40H container	105 /214	66 /139

