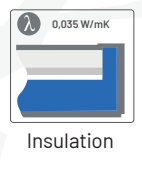
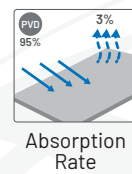
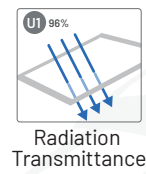
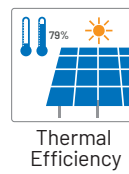
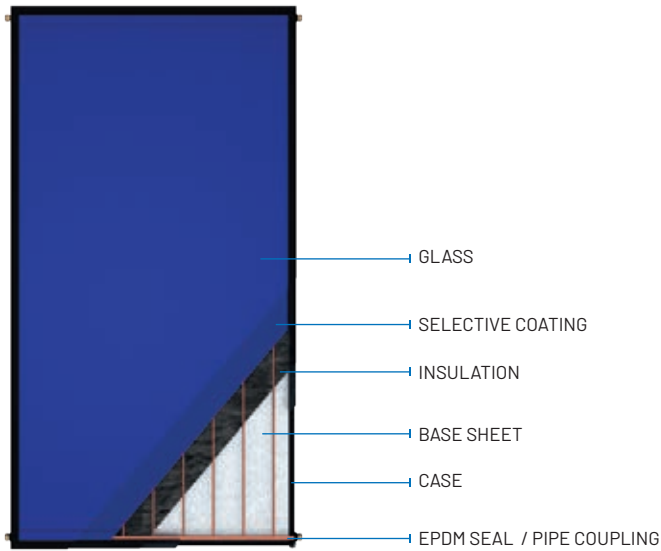


WUNDER ALS

- ✓ Solar Keymark certified
- ✓ Selective aluminum
- ✓ Rock wool insulation
- ✓ Copper pipe
- ✓ Low iron tempered glass
- ✓ Laser welding
- ✓ 10 years warranty



Wunder ALS			Wunder ALS 1809	Wunder ALS 2110	Wunder ALS 2412	Wunder ALS 2512	Wunder ALS 2710	Wunder ALS 3010
TECHNICAL DATA	Thermal efficiency (Ag)	%	73	73	73	73	73	73
	Thermal efficiency (Aa)	%	79	79	79	79	79	79
	Dimensions	mm	1927 X 927 X 90	1988 X 1041 X 90	1988 X 1210 X 90	1988 X 1218 X 90	2220 X 1218 X 90	2427 X 1218 X 90
	Gross area	m ²	1.79	2.07	2.4	2.42	2.7	2.97
	Absorber area	m ²	1.65	1.93	2.24	2.27	2.54	2.79
	Weight empty	kg	24	28	32	32	36	39
	Absorber volume	L	1	1.15	1.45	1.45	1.56	1.6
	Max working pressure	bar	10	10	10	10	10	10
	Max operating temperature	°C	130	130	130	130	130	130
	Flow rate	kg/hm ²	72	72	72	72	72	72
ABSORBER SURFACE	Plate Material		Highly Selective Aluminum					
	Absorptance	%	95	95	95	95	95	95
	Emittance	%	3	3	3	3	3	3
COPPER PIPE	Ø manifold pipe	mm	18	18	18	18	18	18
	Ø absorber pipe	mm	8	8	8	8	8	8
	Connection	inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Number of pipe		9	10	12	12	12	12
GLASS	Glass material		Low Iron Tempered Glass					
	Glass thickness	mm	3.2	3.2	3.2	3.2	3.2	3.2
INSULATION	Material		Rock Wool	Rock Wool	Rock Wool	Rock Wool	Rock Wool	Rock Wool
	Thickness	mm	40	40	40	40	40	40
	Density	kg/m ³	50	50	50	50	50	50