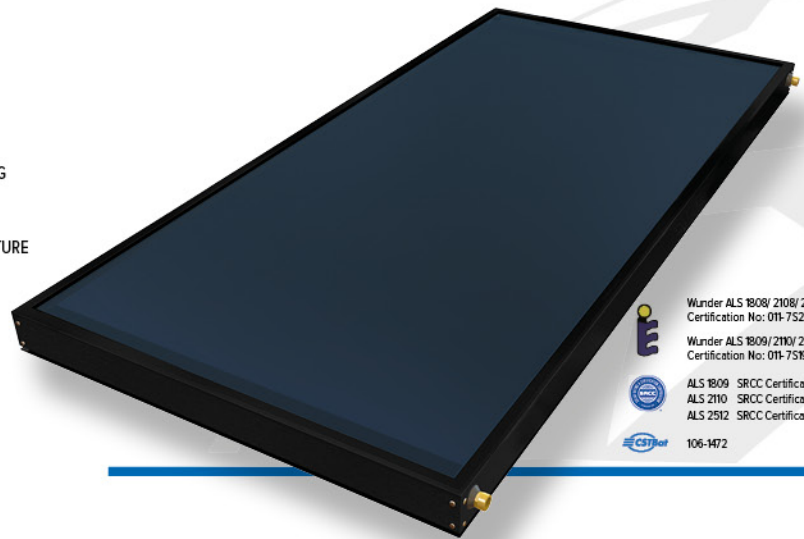
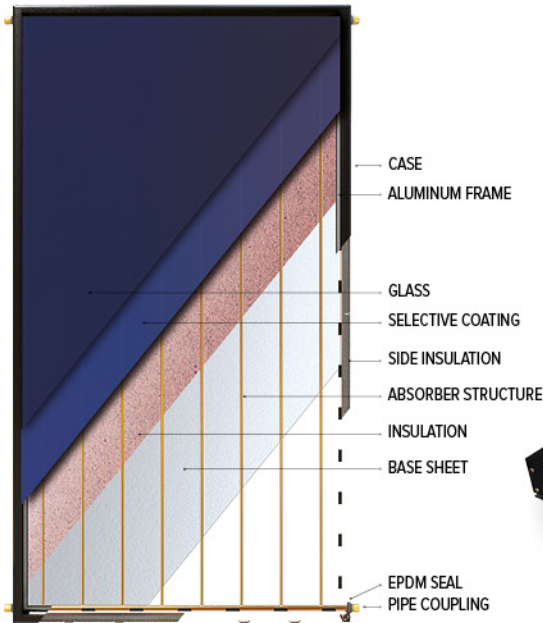


Solar Keymark certified
 Almeco-Tinox highly selective aluminum
 Rock wool insulation
 Copper pipe
 Low iron tempered glass
 Laser welding
 10 years warranty

WUNDER ALS



Wunder ALS 1808/ 2108/ 2510
 Certification No: 011- 752248 F
 Wunder ALS 1809/ 2110/ 2512
 Certification No: 011- 751941 F
 ALS 1809 SRCC Certification No: 10001863
 ALS 2110 SRCC Certification No: 10001864
 ALS 2512 SRCC Certification No: 10001865
 106-1472

TECHNICAL SPECIFICATIONS

	Wunder ALS 2510 / 2512	Wunder ALS 2108 / 2110	Wunder ALS 1808 / 1809
PRODUCT CODE	MA-0039 / MA- 0041	MA- 0032 / MA- 0034	MA- 0028 / MA- 0030
TECHNICAL DATA			
DIMENSIONS (mm)	1988x1218x90	1988x1041x90	1927x927x90
CASING	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case
WEIGHT (kg)	44	37,2	34
GROSS AREA (m ²)	2,42	2,07	1,79
APERTURE AREA (m ²)	2,24	1,92	1,62
ABSORBER AREA (m ²)	2,23	1,89	1,59
ABSORBER			
ABSORBER MATERIAL	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum
ABSORPTANCE / EMITTANCE	0,95 / 0,04	0,95 / 0,04	0,95 / 0,04
WELDING METHOD	Laser Welding	Laser Welding	Laser Welding
COPPER TUBES			
HEAT CARRIER VOLUME (lt)	1,27	1,07	1
DIAMETER OF ABSORBER TUBE/ HEADER TUBE (mm)	8 / 18	8 / 18	8 / 18
NUMBER OF TUBES	10 / 12	9 / 10	8 / 9
GLASS			
GLASS MATERIAL	Low Iron Tempered Glass	Low Iron Tempered Glass	Low Iron Tempered Glass
THICKNESS OF GLASS (mm)	4	4	4
INSULATION			
INSULATION MATERIAL	Rock Wool	Rock Wool	Rock Wool
DENSITY (kg/ m ³) / THICKNESS (mm)	50 / 40	50 / 40	50 / 40
STAGNATION TEMPERATURE (°C)	194,5 / 203	194,5 / 203	194,5 / 203
MAXIMUM RATING			
MAXIMUM OPERATION PRESSURE (bar)	10	10	10
NOMINAL FLOW RATE (lt/ h)	120	105	100
BACK SHEETING	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet
MOUNTING TYPE	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof