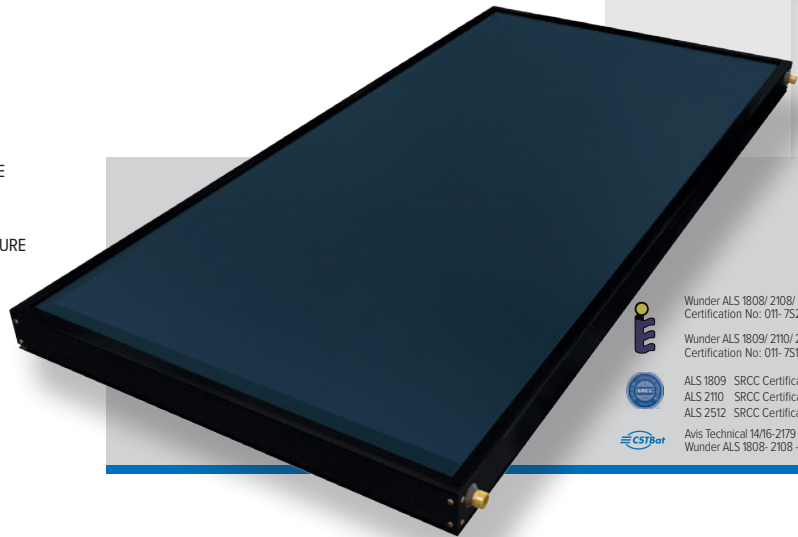
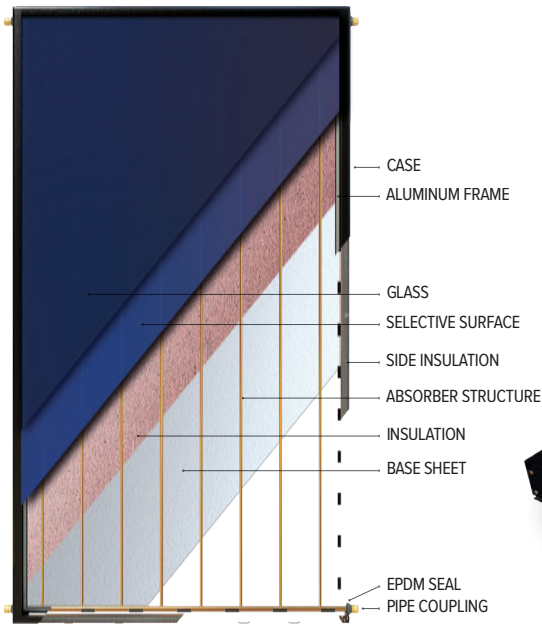


**WUNDER ALS**

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



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

Avis Technical 14/16-2179  
Wunder ALS 1808-2108 - 2510

**TECHNICAL SPECIFICATIONS**

|                       |  | Wunder ALS 2510 / 2512                 | Wunder ALS 2108 / 2110                 | Wunder ALS 1808 / 1809                 |
|-----------------------|--|--|--|--|
|                       | <b>PRODUCT CODE</b>  | <b>MA-0039 / MA- 0041</b>              | <b>MA- 0032 / MA- 0034</b>             | <b>MA- 0028 / MA- 0030</b>             |
| <b>TECHNICAL DATA</b> | 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 <sup>2</sup> )                                   | 2,42                                   | 2,07                                   | 1,79                                   |
|                       | APERTURE AREA (m <sup>2</sup> )                                | 2,24                                   | 1,92                                   | 1,62                                   |
| <b>ABSORBER</b>       | ABSORBER AREA (m <sup>2</sup> )                                | 2,23                                   | 1,89                                   | 1,59                                   |
|                       | 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                            |
| <b>COPPER TUBES</b>   | WELDING METHOD   | Laser Welding                          | Laser Welding                          | Laser Welding                          |
|                       | HEAT CARRIER VOLUME (lt)                                       | 1,27                                   | 1,07                                   | 1                                      |
|                       | DIAMETER OF ABSORBER TUBE/ HEADER TUBE (mm)                    | 8 / 18                                 | 8 / 18                                 | 8 / 18                                 |
| <b>GLASS</b>          | NUMBER OF TUBE   | 10 / 12                                | 9 / 10                                 | 8 / 9                                  |
|                       | GLASS MATERIAL   | Low Iron Tempered Glass                | Low Iron Tempered Glass                | Low Iron Tempered Glass                |
| <b>INSULATION</b>     | THICKNESS OF GLASS (mm)  | 4                                      | 4                                      | 4                                      |
|                       | INSULATION MATERIAL  | Rock Wool                              | Rock Wool                              | Rock Wool                              |
| <b>MAXIMUM RATING</b> | DENSITY OF WOOL (kg/ m <sup>3</sup> ) / THICKNESS OF WOOL (mm) | 50 / 40                                | 50 / 40                                | 50 / 40                                |
|                       | STAGNATION TEMPERATURE (°C)                                    | 194,5 / 203                            | 194,5 / 203                            | 194,5 / 203                            |
|                       | MAXIMUM OPERATION PRESSURE (bar)                               | 8,6                                    | 8,6                                    | 8,6                                    |
|                       | NOMINAL FLOW RATE (lt/ h)                                      | 120                                    | 105                                    | 100                                    |
|                       | BASE SHEETING  | Embossed- Finished Aluminum Sheet      | Embossed- Finished Aluminum Sheet      | Embossed- Finished Aluminum Sheet      |
|                       | MOUNTING TYPE  | Inroof- Onroof- Flat Roof              | Inroof- Onroof- Flat Roof              | Inroof- Onroof- Flat Roof              |