







## SOLARMAxx 54 l/min-12 V-DC

30 W

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| **Item number:** | 23 009 895 |
| **EAN:** | 4048358424747 |
| **Discount group:** | D |

### Technical data

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| Pump | |
| Connection suction side: | G 1" female |
| Connection discharge side: | G 1" female |
| Hydraulic data | |
| Pump design: | vane pump, selfpriming |
| Delivery rate max. (l) at a battery discharge: | 5400 |
| Discharge pressure up to (bar): | 1,8 |
| Suction height (m): | 3 |
| Motor data | |
| Voltage (V): | 12 |
| Power consumption (A): | 30 |
| Fuse (A): | 40 |
| Operating time max. (min). at a battery charge: | 120 |
| Torque (Nm): | 0,66 |
| Rotation speed (rpm): | 2500 |
| Type of construction: | IMB 5 |
| Safety class: | IP66 |
| Materials of parts in contact with liquid | |
| Pump housing: | AlSi 12 (sea water resistant) |
| Stator: | GG 25 |
| Vane: | POM |
| Tolerance vane - pump housing (mm): | +/- 0,025 |
| Dimensions LxWxH (mm): | 120 x 120 x 280 |
| Weight (kg): | 6,42 |
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| Solar module | |
| Power (W): | 30 |
| Nominal voltage (V): | 17,6 |
| Open-circuit voltage (V): | 22,5 |
| Nominal current (A): | 1,57 |
| Short circuit current (A): | 1,75 |
| Safety class: | IP54 |
| Operating temperature range (°C): | -45 / +86 |
| Dimensions LxWxH (mm): | 540 x 430 x 30 |
| Weight (kg): | 3,4 |
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| Solar charge controller | |
| Type of control: | line |
| Solar module power max. (W): | 55 |
| Battery voltage (V): | 12 |
| Suitable battery: | lead |
| Nominal voltage (V): | 12 |
| Charging voltage (V): | 13,8 |
| Module current (A): | 4 |
| Load current (A): | 4 |

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| Power consumption (mA): | 1,5 |
| Operating temperature range (°C): | -10 / +50 |
| Dimensions LxWxH (mm): | 68 x 57 x 28 |
| Weight (kg): | 0,15 |

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| Charger | |
| Charging function: | eight-step ( 1 - 8 ) |
| Charging time (h): | charge of approx. 11 to 80 % |
| Discharge function: | no |
| Battery voltage (V): | 12 |
| Battery capacity (Ah): | 1,2 – 110 |
| Suitable battery: | open, maintenance-free AGM, gel or lead calcium batteries |
| Nominal voltage (V): | 230 |
| Charging voltage (V): | 14,7 |
| Charging current max. (A): | 0,8 or 5 |
| Return current max. (mA): | 1,3 |
| Operating temperature range (°C): | -20 / +50 |
| Dimensions LxWxH (mm): | 168 x 65 x 38 |
| Weight (kg): | 0,5 |

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| Lacquering | |
| Cover + mounting bracket: | fire red, RAL 3000 |

**Specification**

- Vane pump, with integral bypass
- Pump with ON/OFF switch
- Automatic solar charge controller (84 859)
- Charger, 230 V AC - 12 V DC (84 862)
- Connection cable with 2 battery pole terminals, length 1.7 m
- Cable gland, adhesive pad and cable tie for connection between module and controller
- Pump and accessories integrated on a compact, painted steel plate
- Safety cover for controller and charger
- Solar module with cable, length 2,5 m (85 292)
- Polycarbonate cover for solar module, UV stable (85 548)
- Accessories for adaptation with integrated hand pump
- 3-way ball valve, G 1" (18 095 395)
- Crimp nipple-GD AlSi 12-DN 20 - 60° sealing cone-G 1"-SW 36 (85 363)
- T-piece, G 1" female, brass (85 544)
- Discharge hose for diesel-2 m-G 1" male-G 1" female-DN 25 (23 158 959)
- Angle 90°, G 1" male, G 1" male (85 370 777)
- Adapter, G 1" male, G 1" male (85 358)
- Developed and tested with Optima Yellowtop battery, 55 Ah (84 904)

**Special notes**

- Installation on different tank types possible without major modifications
- The material composition of the vane-stator (runner ring) guarantees form-stability of the vanes up to 200°C
- Solar module secured in a steel housing with polycarbonate cover
- Pump integrated on a compact and secured plate
- Pump switch with cover
- Status of charger and controller visible through transparent cover
- Solar module with painted steel holder

- Charger and controller integrated and secured on pump plate

**Packaging**

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| Packing unit: | 1,0 |