

Solar Charger for robotic lawn mowers



- No need for 230V AC power
- 100% sustainable energy
- Flexible - easy to move



Automatic solar charger station

Complete solar charger station for robotic lawn mowers running on 100% green and free energy. There is no need for installing an expensive cable in the field for the charger station.

More models depending on lawn area size

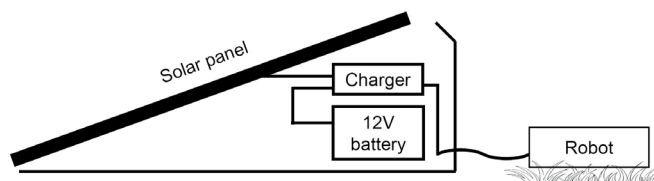
There are two model sizes depending on the area of the grass (The robots expected power consumption).

The Solar Chargers are specified so the robot are running through the year from Marts to October.



Installation of a solar charger station for 2500m2 grass area.

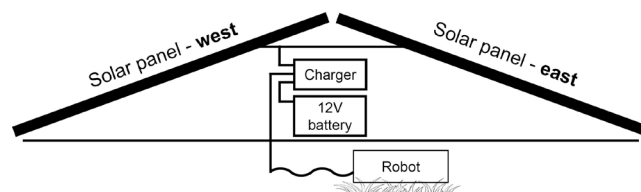
Up to 2500m2 grass area



Solar Charger station for Husqvarna Automower up to 2500m2 grass area. With 1 x 370Wp solar panel which can keep the robot running all day in the high season. The charger box and battery is hidden inside and under the panel. Easy to install and do not need ground fastening.

Expected operation season for 2500m2:
March to middle of October.

From 2500m2 grass area and up



Solar Charger station for large Husqvarna Automower from 2500m2 and up to 10000m2 grass area. With 2 x 370Wp solar panel which can keep the robot running all day throughout the season. The charger box and battery is hidden inside and under the panel. Easy to install and do not need ground fastening.

Expected operation season for 5000m2: March to October.

Max area	Solar Panel	Description	Solar energy per month
2500 m2	370Wp (190 x 120 cm)	Charge box M5000V2, Ground stand south, 12V/100Ah Pure GEL battery	36 / 18 kWh *)
2500 - 10000 m2	740Wp (190 x 215 cm)	Charge box M5000V2, Double ground stand East/West, 12V/100Ah Pure GEL battery	60 / 36 kWh *)

The robotic lawn mower model no. must be given when ordering for correct charging box.

*) Average monthly production for april-august/september-oktober with no shadows and south faced solar panel. Can be compared with the robots monthly consumption, which depends on the area and grass quality.

Technical data (M5000V2 charger box):

Battery: 12V / 100Ah Pure GEL deep cycle.
Output voltage: 28V
Output current: 1.2A, 2.1A, 4.1A or 7A
30W - 160W (Robot specific).
Ambient temp.: 5 - 35° celcius
Charge box size: 29 x 16 x 10 cm (with connectors).
Protection: IP54 (Rain and dust proof).

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Solar Charger for Husqvarna® referencestation

- 100% solar energy
- Save the AC installation
- All season operation

24 hour solar charger

This solar system eliminates the need for expensive AC installation, when installing the EPOS referencestation in the field.

The charger can supply one referencestation for 24 hours operation in the growing season.

Installation can be done on a pole or on a south faced wall.

The system includes:

- Outdoor control box with battery
- 60Wp solar panel, all black mono
- Brackets for pole or wall mounting (Pole not included)



APP for smartphone

You can connect to the charger box using a smartphone APP and bluetooth connection. You can see the battery status and the solar production / load (Actual and history).



The Solar Charger can be mounted on a pole (with or without the referencestation) or wall mounted.



Technical data:

Operation period:	24 hours/day all summer (for one ref. station) (South faced panel, no shadows)
Solar panel:	60Wp monocrystalline all black With 3m cable and MC4 connectors Size: 676 x 492 x 25mm
Battery:	12V/20Ah AGM/GEL deep cycle
Control box size:	24 x 28 x 17 cm (W x H x D)
Connectors:	MC4 for panel, DC for ref. station
Cable:	4m to referencestation
Operation:	ON/OFF switch underneath
Brackets:	Stainless steel Pole diameter: 40 - 70 mm
Operation temp.:	5 - 45° celcius
Protection class:	IP53 (Rain and dustproof)



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