



Robotic lawn mower solar charging station prototype Patent Pending Single/Double Module



POWERSHED ALLOWS YOU TO "CUT THE CORD" AND STATION ROBOTIC MOWERS ANYWHERE THE SUN SHINES.

POWERSHED SIMPLIFIES AND IMPROVES THE OPERATION AND USE OF ROBOTIC LAWN MOWERS FOR LARGE CAMPUSES, HIGHWAY MEDIANS, GOLF COURSES, CORPORATE CAMPUSES, PUBLIC PARKS, ATHLETIC FIELDS, AND HARD TO ACCESS GROUNDS.

POWERSHED IS THE ONLY ROBOTIC MOWER HOUSING STATION THAT USES SOLAR PANELS AS PART OF THE STRUCTURE AND IS INSTALLED AND CURRENTLY OPERATING AT THE UNIVERSITY OF TENNESSEE.

Specifications

Dimensions	1260.475mm x 730.25mm (49 5/8" x 28 3/4")
Material	Aluminum, HDPE
Charging Capacity	400Ah (2 x 200 Ah batteries)
Power Production	440 watts(1 panel) 880 watts (2 panel)
Nominal Operating Capacity	2.88 kWh
Battery Type	SLA deep cycle
Monitoring Features	Bluetooth, wifi, and LTE enabled, active battery monitoring LTE
Mower Orientation	Front, back, or pass through
Security Mounting Surface	Tamper resistant, Lockable Concrete or ground (operator choice)
Anchoring System	Concrete anchor or soil post anchor (operator choice)
Safety Features	Remote Alerts, Battery cutoff switch
Auxiliary Features	AC 110v outlet
Nominal Charging Temperature	0°C to 40°C
Nominal Discharge Temperature	-15°C to 45°C

*Additional AC Outlet for charging other lawn equipment batteries or area lighting

• Electrical Equipment Not Shown



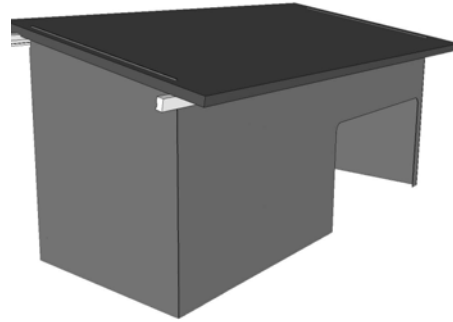
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Product Comparison



Husqvarna Automower® Solar Charger



Powershed Single Module



Powershed Double Module

Size	66in W x 39in H
Price	\$2,599.99
Battery Size	One or Two 100Ah
Panels	320 Watt
Material	Corrosion resistant aluminum frame
Features	<ul style="list-style-type: none"> • Accessible service door • Two part solar charger and mower charging base • Additional output for powering 2nd mower or other loads • Adjustable module tilt

Size	77.5in W X 40.75in L
Price	\$4,500
Battery Size	400Ah
Panels	440 Watt
Material	Aluminum, HDPE
Compatability	Any brand mower up to 2 acres
Features	<ul style="list-style-type: none"> • Capabilities to support any brand mower for up to 2 acres • Single self-contained unit for housing mower charging base and solar charger • Solar and energy storage sized for sustained operations • Small footprint and sleek design • Additional output for powering other loads • Can support additional loads • Exceptional web based monitoring platform • Weather and tamper resistant • Bluetooth, wifi, and LTE enabled

Size	77.5in W x 81.5in L
Price	\$5,500
Battery Size	400Ah
Panels	880 Watt
Material	Aluminum, HDPE
Compatability	Any brand mower up to 6 acres
Features	<ul style="list-style-type: none"> • Capabilities to support any brand mower for up to 2 acres • Single self-contained unit for housing mower charging base and solar charger • Solar and energy storage sized for sustained operations • Small footprint and sleek design • Additional output for powering other loads • Can support additional loads • Exceptional web based monitoring platform • Weather and tamper resistant • Bluetooth, wifi, and LTE enabled

“It is estimated that turfgrass covers 50 million acres in the U.S., making turf the fourth largest U.S. crop in acreage.”

Kevin N. Morris, President of the National Turfgrass Federation, Inc. Beltsville, Md.