

# AutoSun™ Motor System



**100% solar powered,**  
**wireless motorization**  
for drop arm window awnings,  
exterior solar screens  
and rolling shutters



[www.simu-us.com](http://www.simu-us.com)

# AutoSun™ Motor System

100% WIRELESS. 100% COMPLETE.

Thanks to the power of the sun, enhanced wireless technology, and superior industry expertise, Simu now offers a seamless way to incorporate the advantages of motorized exterior solutions with hassle-free installation.

## 100% autonomy:

- Long-life battery + photovoltaic solar cells
- \* Suitable for all weather conditions, even low light.
- \* Energy saving, low-consumption motor (patented by Simu) only uses energy as it is needed for optimal performance
- \* No electrical wiring required
- \* No damage to walls or facades

## 100% reliability:

- Simu expertise
- \* Motor endurance tested for over 10,000 cycles
- \* Over 20 years of wireless motor experience

## A COMPLETE SOLAR POWERED SYSTEM

SOLAR  
POWER



### AutoSun™ DC ESP Hz motor

- AutoSun™ electric motor, dia. 40mm, 12V
- Compatible with existing Hz transmitters, sun, wind & rain sensors



### AutoSun™ battery

- NiMH technology
- Lead-free
- Operating Temperature is -4° F to +140° F
- Bare battery with **smaller 23mm diameter**



### AutoSun™ solar panel

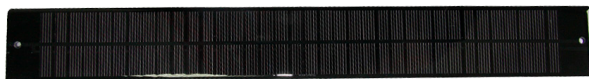
- Monocrystalline Silicon technology
- Works effectively even in overcast conditions
- More efficient and more powerful
- Durable resin substrate and polymer coating for a strong damage resistant solar panel



Covered battery with new easy access disconnect



New case design to better fit in corners



With demands for energy saving products, the AutoSun™ Motor System is an ideal solution for retrofit applications.

Drop Arm Window Awnings



Exterior Solar Screens



Rolling Shutters

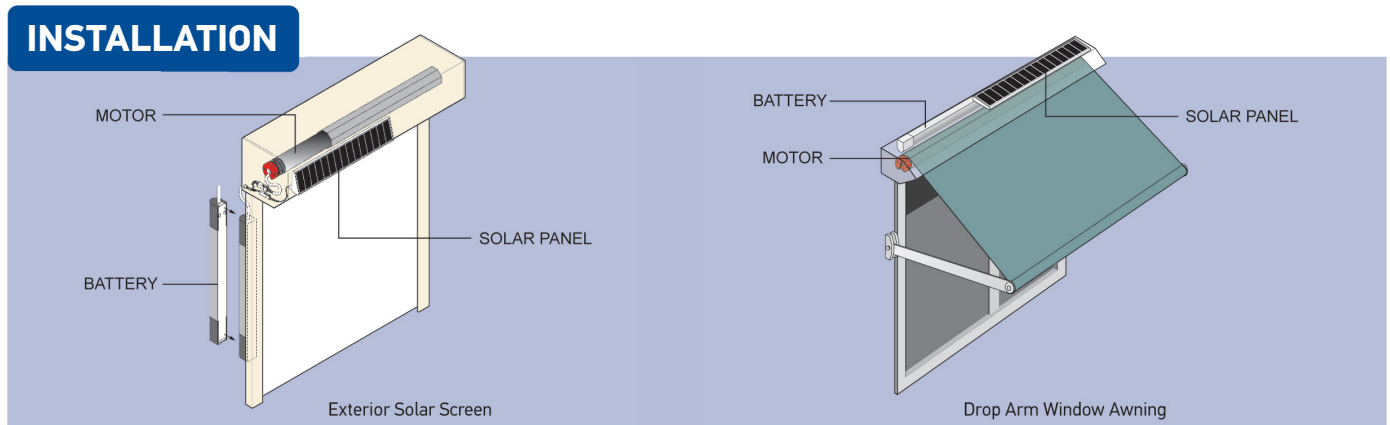


Photo courtesy of Croci

## AUTOSUN™: Installation without limits

For you: easily motorize windows that are difficult to run power to and install more products in less time.

For your customer: a guaranteed quick installation with no electrician needed.



The AutoSun™ motor system is fully compatible with Hz transmitters and sensors.



16 Channel  
Hz Remote



Wall Transmitters  
1 & 5 channel



Remote Controls  
1 & 5 channel



Keypad



TSA +  
Remote Control



DecoFlex WireFree™  
Wall Switch



Ondeis™ WireFree RTS  
Rain and Sun Sensor



### Adjustable Electronic Stop Detection

Motor immediately stops when product is closed to protect the mechanism and reduce stress on the fabric. Select from three torque settings for the perfect closing force.



### Back Release

Releases the motor brake after closing to reduce fabric stretching.



### Automatically adjusts for fabric stretch

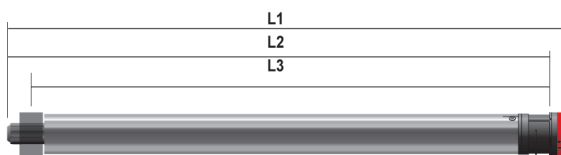
Guarantees constant projection over time.



### Back Impulse

Reverses motor rotation briefly after any down motion to ensure fabric remains taut. Choose any back impulse between 11° and 180° for perfect arm tension.

## AUTOSUN™ DETAILS



### TECHNICAL CHARACTERISTICS

Power Supply	12V
Class	IP 44
Connection	3 wires: 0.75mm <sup>2</sup>
Operating Temperature	-4°F to +140°F (-20°C to +60°C)

### DIMENSIONS

	3/23	6/18	10/12
L1 (mm)	18.66" (474)	18.66" (474)	18.66" (474)
L2 (mm)	18.07" (459)	18.07" (459)	18.07" (459)
L3 (mm)	17.20" (437)	17.20" (437)	17.20" (437)

### PERFORMANCE

Rated Torque (Nm)	3	6	10
Power (W)	17	26	30
Current (A)	1.4	2.2	2.4
Weight (kg)	1.7 lbs. (0.77)	1.76 lbs. (0.80)	1.76 lbs. (0.80)

## AUTOSUN™ DETAILS CONT'D

### MOTORS

CAT. NO.	DESCRIPTION
2009596	T3.5 ESP Hz 3Nm 23rpm 12V DC
2009597	T3.5 ESP Hz 6Nm 18rpm 12V DC
2009598	T3.5 ESP Hz 10Nm 12rpm 12V DC

### KITS

CAT. NO.	DESCRIPTION
*2009606	T3.5 ESP Hz 3Nm 23rpm 12V DC KIT
*2009607	T3.5 ESP Hz 6Nm 18rpm 12V DC KIT
*2009608	T3.5 ESP Hz 10Nm 12rpm 12V DC KIT

\* Kits include a battery and solar panel (9025235 & 9020635)

### ACCESSORIES

CAT. NO.	DESCRIPTION
9025235	3.2W Autosun Solar Panel
9020635	2.2 Ah NiMH Autosun Battery in Aluminum Case (0.6m cable)
9020634	2.2 Ah NiMH Autosun Battery in Aluminum Case (0.3m cable)
9020808	2.2 Ah Bare Battery (0.25m cable, diameter 23)
9021216	Adhesive for Battery Case (550 x 15 mm) (Pack of 20)
9020637	Mounting Bracket for Battery in Case (23 x 19 mm) (Set of 2)
9020630	Elastic Mounting Bracket for Bare Battery
9020638	Battery Charger V2
9019683	Solar Panel Mounting Brackets
9019722	Solar Panel Extension Cable 16.5FT
9020639	Adaptor cable - V1 Motor & Solar Panel to V2 Battery
9020481	Adaptor cable - V2 Motor to V1 Solar Panel and Battery



SOLAR PANEL EXTENSION CABLE 16.5FT (5M)



SOLAR PANEL MOUNTING BRACKETS

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