

# Solemyo

## Solar power system for automation systems



PSY24

SYP

### Solemyo is the solar power system to automate gates, garage doors and road barriers, even those located far from the electrical mains.

Solemyo is available both in kit version and single products.

**Installable anywhere:** without the need for connections or excavations, even in the most remote locations or those difficult to access with the power mains.

**Increased savings and respect for the environment:** thanks to solar energy, free and clean: an ecological and intelligent choice with short term benefits.

**Low consumption with no risk of blackouts:** the extended duration of the energy reserve, combined with the low consumption of the automations, guarantee operation also in prolonged overcast conditions.

**Less consumption, more autonomous operation!**

Perfect operation ensured even at night time or in prolonged overcast conditions, guaranteeing comfort and safety.

**Ease of use:** the SYA1 auxiliary power supply unit enables rapid battery charging via a 230 Vac power mains, as an alternative to the photovoltaic module.

Battery charge status Led indicators.

**Installation advice:** if two or more parallel-connected solar panels have to be installed, purchase individually the items that make up the Solemyo system to increase the system's charging capacity or use just one SYA1 transformer to charge several PSY24 battery boxes.

**The kit contains:**

**SYP:** photovoltaic panel for 24 V supply.

**PSY24:** 24 V battery box with control circuit and carry handles. It stores the electrical energy produced by the SYP panel, with continuous and permanent supply throughout the day.

**Cables and connectors** necessary for the connection.

## TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
<b>SYKCE</b>	Solar power kit comprising SYP photovoltaic panel and PSY24 battery box with charging control circuit	21
<b>SYP</b>	Photovoltaic panel for 24 V supply with maximum power 15 W	
<b>SYP30</b>	Photovoltaic panel for 24 V supply with maximum power 30 W	
<b>PSY24</b>	24 V battery box with control circuit and carry handles	



### The SYP30 photovoltaic panel

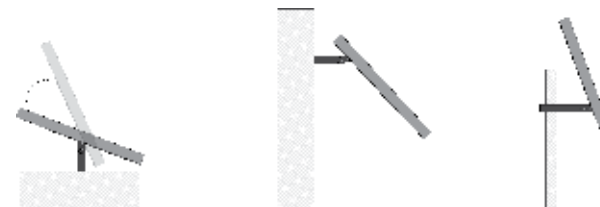
Sold individually, is ideal in all the situations with low exposure to the sun or automations with high intensity of use.

Code	PSY24	SYP30	SYP	SYA1
Power supply (Vac 50/60 Hz)		-		110 ÷ 240
Rated voltage (V)		24		-
Maximum current (A)	10		-	
Peak power (Wp)	-	30	15	-
Maximum power (W)		-		60
Rated battery capacity (Ah)	20		-	
Protection level (IP)	44		-	
Working temp. (°C Min/Max)	-20 ÷ +50*		-40 ÷ +85	0 ÷ +40
Complete recharging time (hours)	~ 15**		-	
Dimensions (mm)	235x170x258 h	450x25x550 h	390x28x415 h	132x58x30 h
Weight (kg)	14	3.5	1.9	0.345

\* 0 ÷ 40 if recharged from the power mains with SYA1 power supply unit.

\*\* Using the power supply unit via the mains.

## INSTALLATION DIAGRAM



Flexible: Solemyo adapts perfectly to all types of installation.

## ACCESSORIES



**SYA1**  
Power supply unit for charging the battery PSY24 from the supply mains.

Pc./Pack 1