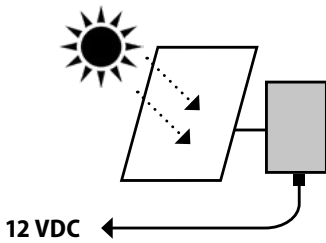


Photovoltaic Kits



Stand-alone photovoltaic kits to provide power to the devices throughout the year. Our technical department will choose the best solution for each installation.



Module	Battery	Mounting plate
50 W	45Ah	Ø 60 - Ø 90
100 W	90 Ah	Ø 60 - Ø 90
140 W	90 Ah	Ø 90



- ❶ Photovoltaic module
- ❷ Mounting plate
- ❸ Cabinet
- ❹ Charging regulator
- ❺ AGM battery specifically designed for photovoltaic system



Photovoltaic Kit

TECHNICAL FEATURES



Description

Photovoltaic power supply kit for 12 V off-grid system composed by bracket, cabinet, photovoltaic panel, MPPT charge controller and AGM battery 12V.

BATTERY

Type	AGM lead		
Rated voltage	12 Vdc		
Rated capacity	45 Ah	90 Ah	90 Ah
Battery weight	15 Kg	30 Kg	30 Kg
Protection	Blade fuse 15A		

PHOTOVOLTAIC PANEL

Type	36 Cells monocrystalline silicon		
Peak power	50 W	100 W	190 W
Dimensions	680x660x35 mm	1200x540x30 mm	1480x670x35 mm

CHARGE CONTROLLER

Charging technology	MPPT		
Maximum charging current	10 A	10 A	15 A
Output voltage	11,3-14,3 Vdc		
Maximum output current	10 A	10 A	15 A
Protections	Reverse polarity, short circuit, overload, over discharge		

CABINET FEATURES

Material	Polyester		
IP protection degree	IP65		
IK code	IK10		
Dimensions	505x435x215 mm		

GENERAL FEATURES

Operating temperature	-25 °C ÷ +55		
Total weight	25 Kg	50 Kg	50 Kg
Insulation class	Class III		



1. Batteria AGM / AGM Battery
2. Regolatore di carica / Charge controller
3. Armadio / Cabinet
4. Supporto / Bracket
5. Modulo fotovoltaico / Photovoltaic panel

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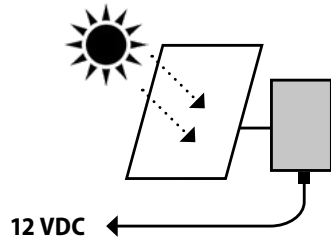
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Compact Photovoltaic Kits



Stand-alone compact photovoltaic kits ideal for applications where is not possible to use an external box.

Our technical department will choose the best solution for each installation.



10W



20W



Module	Battery	Mounting plate
10 W	12 Ah	Ø 60 - Ø 90
20 W	18 Ah	Ø 60 - Ø 90
50 W	45 Ah	Ø 90



50W



Power supply-Battery kit

TECHNICAL FEATURES



Description

Power supply-Battery kit (connectable to the public lighting grid) including battery and charger for the daytime operation. Option: flashing board (*).

BATTERY FEATURES

Tipology	Lead AGM		
Nominal voltage	12 Vdc		
Life time	4 years		
Nominal capacity	12 Ah	18 Ah	45 Ah

ELECTRICAL FEATURES

Input voltage	210 Vac ÷ 250 Vac		
Output voltage	12 Vdc		
*Dimming	Consumptions reduced to 35% during night-time		
Protections	Over-discharge cutoff; Over-voltages (10kV, 5kA)		
Maximum power consumption	60 W	60 W	50 W
*Flashing features	60 flash/min; 10% duty-cycle		
Power factor	0.6 pf		
Insulation class	Classe II	Classe II	Classe I

MECHANICAL FEATURES

IP protection class	IP65	IP65	IP56
Material	Painted metal	Painted metal	Polyester
Dimensions	240 x 280 x 130 mm	280 x 360 x 110 mm	505 x 435 x 215 mm
Total weight	11 Kg	13 Kg	25 Kg
Operative temperature	-25° C ÷ +55° C		
Fixing	Ø60 / Ø90 / BAND-IT	Ø60 / Ø90 / BAND-IT	Ø60 / Ø90



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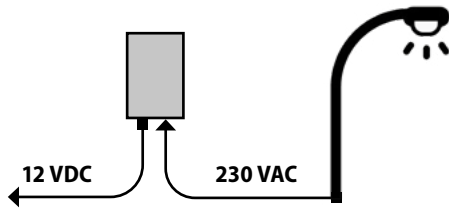
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Power Supply/Battery Kits



Power supply kit **from public lighting** with a battery to provide power to the devices during daytime.

- ❶ Back-up battery
- ❷ Power supply switch mode Class II
- ❸ Cabinet



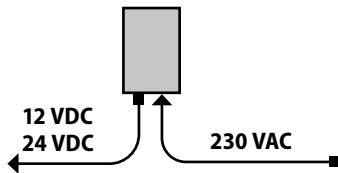
Power supply-Battery	Dimensions
230 VAC / 12 VDC, 2.5 A 18 Ah Class II	280 x 360 x 110 mm
230 VAC / 12 VDC, 2.5 A 12 Ah Class II	240 x 280 x 130 mm

Power Supply Kits



Power supply kit **230 V**, in box IP56, for all devices, available in Class II, suitable to provide energy for fixed devices.

- ❷ Power supply switch mode
- ❸ Box



Power supply	Dimensions
230 VAC / 12 VDC, 2 A Class II - IP56	190 x 140 x 70 mm
230 VAC / 12 VDC, 3.5 A Class II - IP56	
230 VAC / 24 VDC, 1.75 A Class II - IP56	

Power Supply Kit

TECHNICAL FEATURES



Description

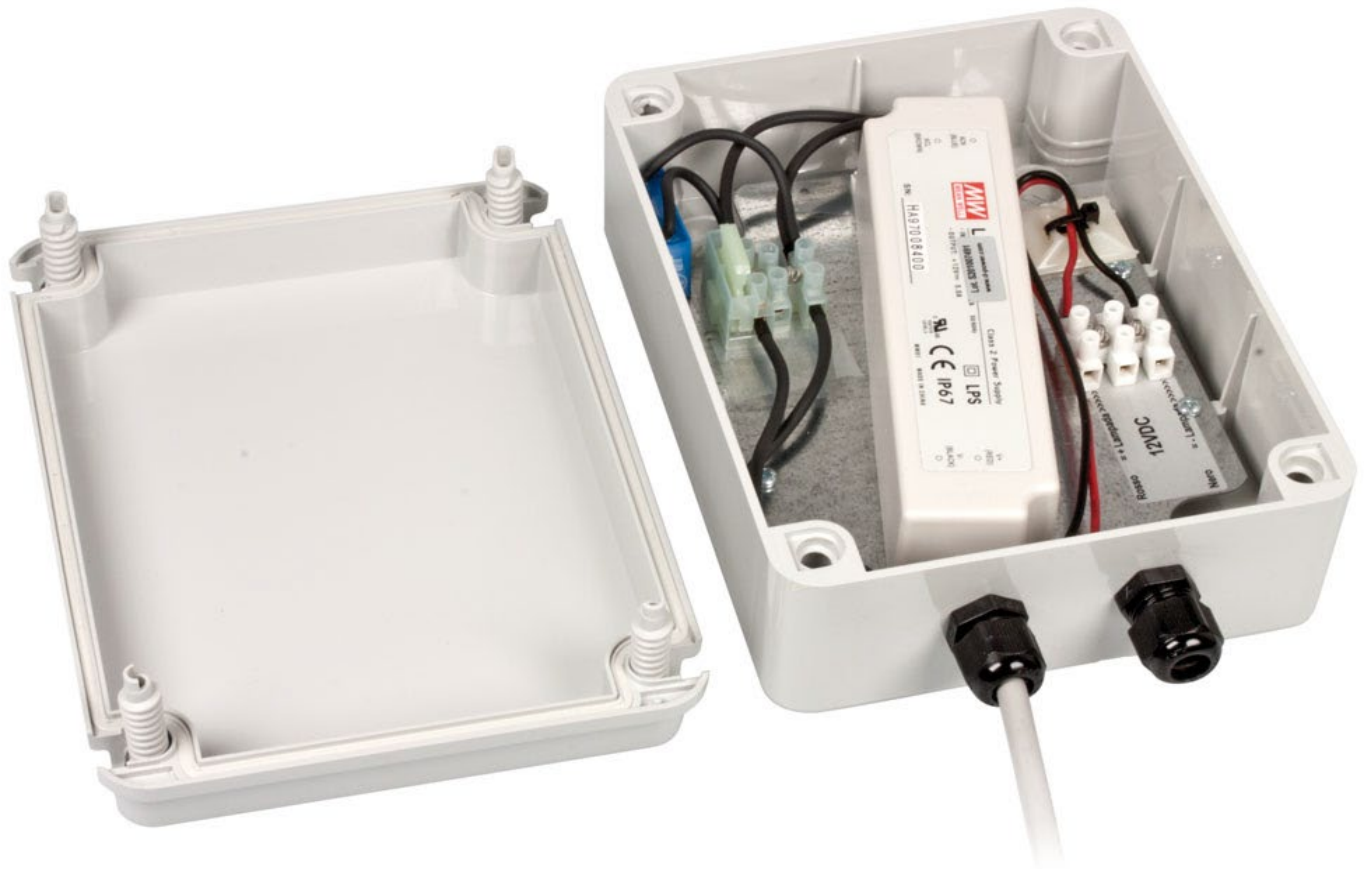
12V or 24V AC/DC power supply Class II. Option with photodiode for night reduction (*).

OPTICAL FEATURES

Input Voltage	100 Vac ÷ 240 Vac			
Output Voltage	12 Vdc	12 Vdc	12 Vdc	24 Vdc
Maximum output Current	2 x 2 A	3.5 A	2 x 1.5 A	3.5 A
Flashing	no	no	10% duty-cycle	no
*Night dimming	-	-	35%	-
Protections	Overvoltages; Overcurrents; Short Circuit			
Insulation Class	Class II			

MECHANICAL FEATURES

IP Protection Degree	IP56			
Dimensions	190 x 140 x 70 mm	190 x 140 x 70 mm	190 x 140 x 70 mm	240 x 190 x 90 mm
Operating Temperature	-25° C ÷ +55° C			
Fixing	Omega Guide			



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PowerStation

The PowerStations are Class I supply cabinet ideal for powering high load fixed devices.

Three models are available, all equipped with SPD and automatic circuit breaker:

- **PowerStation 12** (12VDC)
- **PowerStation 24** (24VDC)
- **PowerStation 48** (48VDC)

Each PowerStation can be equipped with a flashing control unit 12/48V (see pg. 34).



Input voltage	230 Vac		
Output voltage	12 Vdc	24 Vdc	48 Vdc
Max. power	240 W	480 W	480 W
Max. output current	20 A	20 A	10 A
Protections	Overvoltages - Overcurrents		
Insulation class	Class I		
IP protection class	IP56		
Operating temperature	-10°C ÷ +55°C		
Dimensions	260 x 850 x 260 mm		

PowerStation

TECHNICAL FEATURES



Description

Supply cabinet AC/DC to 12 Vdc, 24 Vdc or 48 Vdc. Flashing control board included in order to manage external control devices.

ELECTRICAL FEATURES

Input voltage	230 Vac \pm 10%		
Output voltage	12 VDC	24 VDC	48 VDC
Max power	240 W	480 W	480 W
Max output current	20 A	20 A	10 A
Protections	Overvoltages; Overcurrents		
Insulation class	Class I		

MECHANICAL FEATURES

Operating temperature	-10 °C \div +55 °C
Dimensions	260 x 260 x 850 mm
Weight	30 Kg
IP protection class	IP56



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