



### 1. Description.

The **BOX-PPS** power supply kit is made by a 10 W polycrystalline photovoltaic panel with a mounting bracket, fixed to a plastic case in which the **MWDG-GSM basestation** is housed. The case contains also GSM/GPRS and WSN antennas, the battery charger and a 12V 9Ah sealed lead acid battery.

The kit is designed to supply enough power to guarantee a hourly data sending to the **Service Center** [www.winecap.it](http://www.winecap.it) using the GSM connection in normal climatic conditions, also during winter.



Picture 1 - Product Image

## 2. How to install.

For best results, also during winter, the solar panel must be installed facing SOUTH and the box must be placed vertically to hold the solar panel inclination to 60°.



Picture 2 - Installation layout

### 3. Technical Information.

Box material	ABS
Bracket material	Opaque polycarbonate
Box dimensions	382x282x131mm
Bracket dimensions	384x545x5mm
Collar pitch	52mm
6A-12/24V charge controller - Nominal working voltage	12/24V
6A-12/24V charge controller - Maximum current	6.6A
6A-12/24V charge controller - Sealing	IP22
6A-12/24V charge controller - Dimensions	85x98x34mm
6A-12/24V charge controller - Weight	108g
6A-12/24V charge controller - Ambient temperature	from -25 to +50°C
6A-12/24V charge controller - Self-consumption	6mA
Battery - Type	Lead-calcium
Battery - Features	9Ah-12V
Battery - Case material	ABS
Photovoltaic panel - Nominal power	10W
Photovoltaic panel - Vmp	17.9V
Photovoltaic panel - Imp	0.56A
Photovoltaic panel - Voc	22.41V
Photovoltaic panel - Isc	0.61A
Photovoltaic panel - Dimensions	33.7x20.5x1.5cm
Photovoltaic panel - Weight	0.80Kg



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#### 4. Reference standards.

EN 61010 -1

For electromagnetic compatibility

EN 61000 - 3 - 2

EN 61000 - 3 - 3

EN 300 220 -2

EN 301 489 - 03

EN 61000 - 6 -1

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This symbol indicates that this product is compliant with the European Directive 2011/65/CE that restricts the use of substances in the manufacturing of electronic devices.



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The "WEEE" logo on the label indicates that this product is compliant with the "WEEE" EC Directive. This symbol (valid only in the European Union countries) indicates that the product it is applied to, MUST NOT be discarded with ordinary household or industrial waste, but must be sent to an authorized reception point. The end user should contact the device provider, either the manufacturer or the reseller, in order to agree a collection and disposal process, after having checked the terms and conditions of sale.



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*The features shown may be subject to change without notice.*