MINIKIT®

MINIKIT® is a system very suitable to the lighting of isolated houses. This system is equipped with 3 low-consumption of 7W - 12VDC lamps. The luminous intensity of each lamp corresponds to the intensity of a 40W incandescent lamp.
The system has been designed to supply a 7W-12VDC lamp for 7 hours in total. This duration will reduce in proportion to the lamps that are on simultaneously.

MINIKIT® is composed of:
- N. 1 photovoltaic module H245 - 20W;
- N. 1 charge controller HT8 - 8A;
- N. 3 low-consumption LC7 - 7W - 12VDC lamps;
- N. 1 sealed maintenance-free HGL38 12V - 40Ah battery;
- N. 1 aluminium holding structure for the mounting of the module on a pole;
- N. 1 use and installation manual;

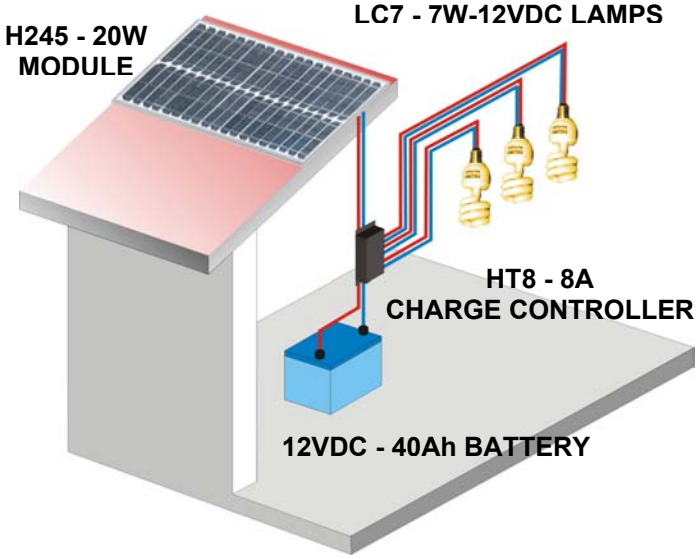
MINIKIT® advantages:
- Easy and quick installation
- Very long duration – the modules are guaranteed for 25 years!
- Light and easy to transport
- No maintenance
- No monthly electricity bills to pay

How **MINIKIT®** works:
The photovoltaic module will convert daylight into electric power. This energy will be stored in the battery and it could be used 24 hours/day even in case of extended bad weather. The electric power will be available day and night to supply the lamps and other loads.

An example of a typical summer use of **MINIKIT®**:

- kitchen lighting	4 hours +
- dining room lighting	2 hours +
- bedroom lighting	1 hour =
TOTAL (average)	**7 hours / night**

WEIGHT AND DIMENSIONS OF MINIKIT®	
SMALL PORTABLE SUITCASE	
WEIGHT:	3 kg
DIMENSIONS:	540 x 330 x 70 mm
BATTERY	
WEIGHT:	13,5 kg
DIMENSIONS:	197 x 166 x 180 mm



MODULARITY OF THE SYSTEM

1. If during the winter season the Minikit is used for a continuous period, the total lighting hours will be 3 hours/night instead of 7 hours/night.
2. It is always possible add more modules H245-20W to increase the energy produced daily and use the same charge controller HT8.
3. In case of the house is used occasionally, it is very convenient the application of Minikit system with a battery of bigger capacity (e.g. HGL70 - 75Ah). This battery storages all the energy produced by the module during the whole week and makes it available during the weekend. In this case the energy quantity will be superior from 3 to 5 times. Thanks to this rich availability, the energy could be used to power up more lamps, TV and radio at 12VDC.

MINIKIT® is a small system which solves big problems.
It is the solution for hobbyists, mobile houses, boxes, garages, rural houses and small hospitals in the developing countries.

Helios Technology reserves the right to change the technical features without notice.

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