

FEATURES

- Battery AGM 120 Ah that's slowly discharged.
- SD CARD up to 128 GB
- GSM GPRS communication system (to be tested as an alternative wi-fi system)
- UMTS remote control Web site
- Tailored stainless steel box with custom bands
- Tapered pole 5.5 m
- 260W Photovoltaic Panel
- Foundation plinth conforms to uni en-40 standard
- 20-30-40 W LED lamp
- 5 Megapixel camera and OCR video surveillance system
- Motion Detection video with recording system
- Geotech control-charge battery control unit

STRUCTURAL SPECIFICATIONS

- HT 5800 photovoltaic pole
- Dimensioned for zone 3
- D.168 / 102 SP.4 MM ACC.S235JRH
- Hot-dip galvanized, UNI EN ISO1461
- Size of 160x100x80 cm and 100 kg

Basic system:

- 120Ah battery
- Power lamp 20W 30W 40W led
- Photovoltaic module with a size of 1.6 meters X 1 meter, 260W power module.
- Microcontroller for battery charge management (Geotech Lux Algorithm for charge and discharge management)

Remote Base Control:

- Remote Control System for checking lamp placement status and check: battery failure, electronic fault, lamppost charge, etc. all reachable from the web page
- Remote ignition system of optional additional peripherals of choice: USB battery charger, additional lamp, speaker system, high resolution IP cameras, and any other devices
- Internal clock and calendar

Remote control with built-in camera:

- Remote viewing system with cameras for recording on removable memory up to 128GB with programmable overwrite
- Motion Detection system for recording, the system detects motion by analysis of images and saves them, the system can be combined with a motion sensor through an external sensor
- Camera resolution of 5 Megapixel
- IR filterless camera for infrared night vision

Remote control with Info Point:

- Remote connection system and refresh system for info point with touch screen (10 inches)

Remote control with plate reading:

- Recording system for reading car plates up to 60Km / h
- Recording plates on the memory card.
- Ministerial database link (stolen car, lack of review and lack of insurance)

Remote control with Hotspot Wi-fi:

- Possibility to connect up to 15 users on a UMTS network wi-fi for a radius of 60 meters.

Kasco Guarantee 3 years (not cover claims and vandalism) valid only for our supply and installation.



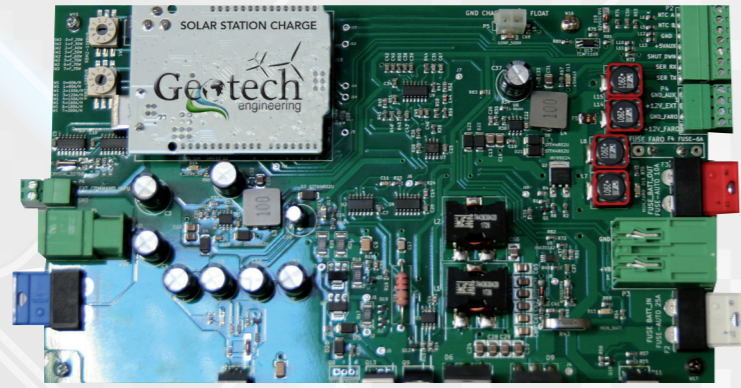
GEOTECH ENGINEERING srl - Società di Servizi
Via Vecchia Prov.le Lucchese, 50 - 51030 Serravalle P.se (PT) - Tel. e fax: 0573.518000
info@geotechsrl.org - www.geotechsrl.org



Solar STATION



CHARGE

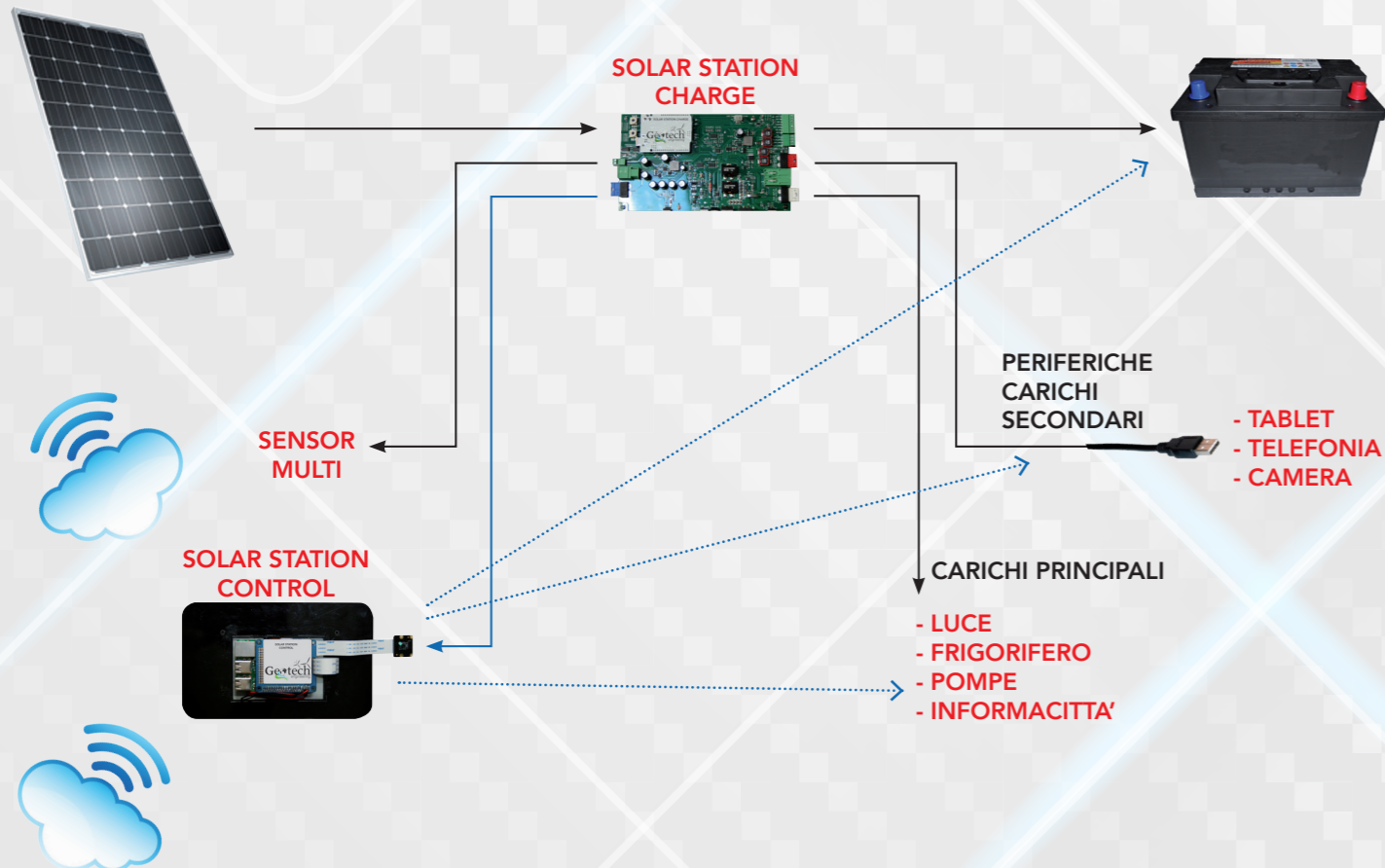


WHAT'S IT?

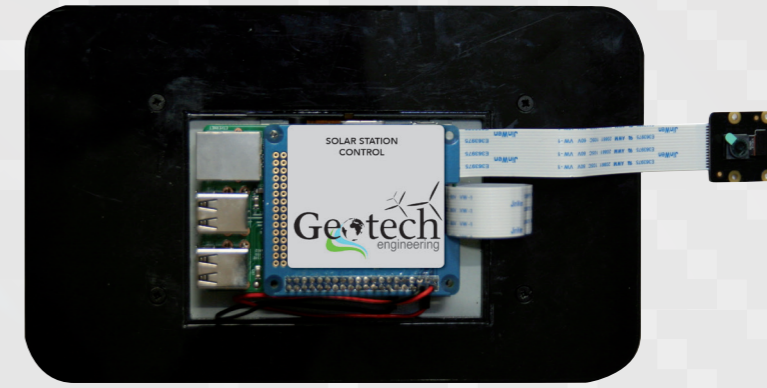
Intelligent charging system and remote control of an isolated solar system. The Solar Station consists of two independent power plants that work together: Solar Station Charge and Solar Station Control (communicates with Solar Station Charge and allows remote control via UMTS). In addition to the main load, it is possible to feed and control other loads from remote (lamppost, refrigerator, pump, etc.).

WHAT'S NEW?

The system ensures remote management of installed devices such as: camera motion capture (allows the viewing of photos and movies), generic USB (cellular and tablet charging), Hot Spot WI-FI (provides internet connection up to 15 hosts), InfoCity municipal display (feeds screen in isolated places), Weather alert probes etc. Both control units are smart and interactive. The body of the system is made of stainless steel and compact, with customizable panels with specific images for the living environment: playgrounds, bike paths and roads that are not covered by electricity.



CONTROL



HOW DOES IT WORK?

The photovoltaic panel supplies solar power that is used to charge the 120 Ah battery through the intelligent Solar Station Charge. The control unit also intelligently regulates the main load absorption (eg lamppost) and activates / deactivates secondary utilities such as camera and USB; It also collects data from many sensors such as room temperature, outdoor lighting, battery status, and so on. The collected data is then automatically transferred to the second intelligent control unit, the Solar Station Control, which communicates with the reserved area of Cloud Geotech. With the control panel you can view the received data in a simple and immediate way and enable / disable the peripheral tools.

BENEFITS

Intelligent eco-sustainable system. Automatic load management: 10 days of activity even in the absence of sun. (Must be tested for different main loads depending on their characteristics as frigo- pumps). Real time faults analysis. Remote device control.

