

NAUTIKIT[®], is a modern photovoltaic system suitable for boating applications. It converts the sunlight into electric power. The energy is stored in one or more batteries and is made available day and night to power all the boat equipments, such as GPS, echo-sounder, VHF radio, autopilot, etc.

How NAUTIKIT[®] works

The 20Wp photovoltaic module (for NAUTIKIT[®] 20) converts the daylight into electric power, for a typical produced energy of about 6Ah/day during summer and 3Ah/day during winter. This energy stored in the battery will be used to keep both the service battery and starter battery fully charged all the time, this prolonging their lifetime. The intelligent charge controller BRAVO 15A checks the state of charge of the service battery and when it is full, BRAVO will deviate the power coming from the photovoltaic module to the starter battery.

During summer NAUTIKIT[®] 20 will averagely produce twice energy, that will consequently increase the autonomy during navigation.

The more powerful kits from NAUTIKIT[®] 55 to NAUTIKIT[®] 100 are designed to meet all the energy needs of the boats, such as fridge, lights, etc.

NAUTIKIT[®] advantages:

- easy and quick installation;
- very long duration - the modules are guaranteed for 25 years!;
- maintenance free;
- service battery and starter battery will be always kept fully and ready for use.

NAUTIKIT[®] 20 is composed of:

- Nr. 1 high efficiency monocrystalline photovoltaic module H245 - 20Wp - 1,27A;
- Nr. 1 charge controller BRAVO 15A realized using solid state technology (MOSFET) and microprocessor control which allows the best battery charge management;
- Nr. 1 stainless-steel tiltable supporting struc-



ture fixed on a vertical pole, adjustable at 180° and extensible up to a maximum of 1,80m;
 - Nr. 7m long electric cable, with an own plug connector for a fast connection to the photovoltaic module, built against salty corrosion, together with cable terminals and one fuse for a safe and easy connection to the charge controller and to the batteries.

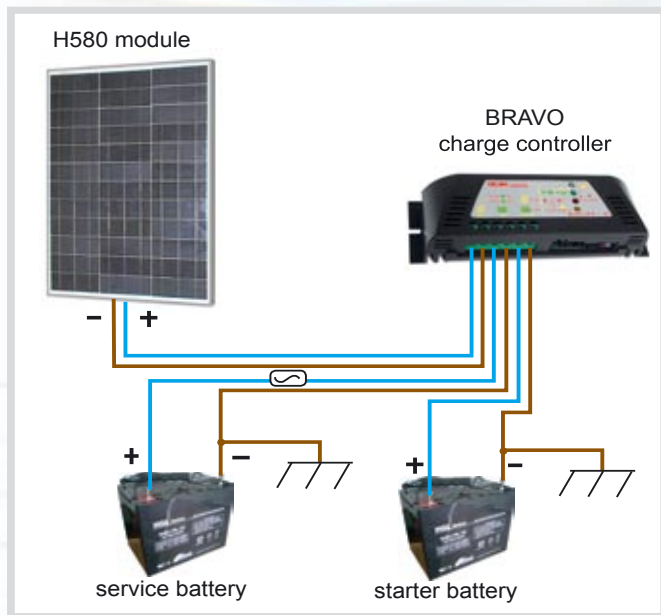


WEIGHT AND DIMENSIONS OF NAUTIKIT[®] 20	
SMALL PORTABLE SUITCASE	
WEIGHT:	10kg
DIMENSIONS:	1060 x 380 x 75mm

NAUTIKIT® 55

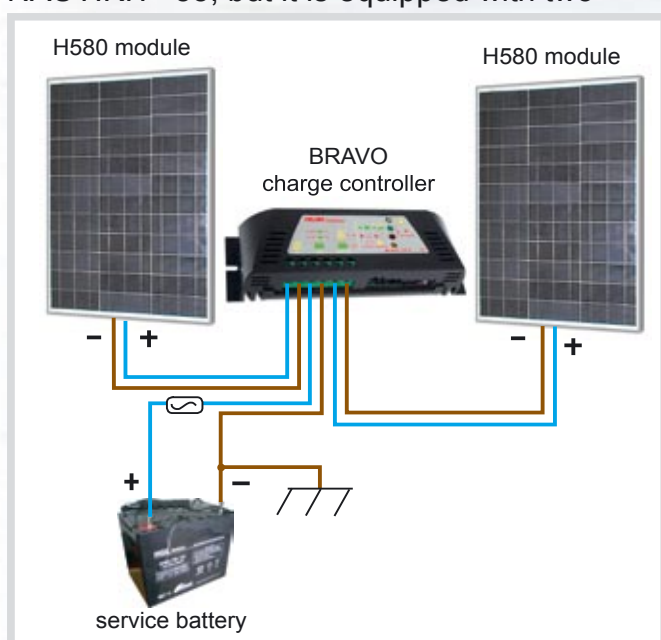
This system has the same composition of NAUTIKIT® 20, but it is equipped with a bigger and more powerful photovoltaic module H580 - 55Wp - 3,4A. The system will produce more energy, allowing therefore the charge of all the usual electric loads (GPS, VHF radio, echo-sounder, etc.) and also a small fridge. In fact the battery stores all the energy produced during the whole week and makes it available during the weekend.

This system could be supplied both with a vertical or horizontal stainless steel supporting structure.



NAUTIKIT® 255

In case of prolonged use of the boat during the summer, we suggest the installation of NAUTIKIT® 255 which has the same composition of NAUTIKIT® 55, but it is equipped with two



bigger photovoltaic modules H580 - 55Wp - 3,4A and a special horizontal stainless steel supporting structure.

Thanks to this system the boat will have enough power for a continuous navigation in total autonomy.

NAUTIKIT® 75 and NAUTIKIT® 100

The NAUTIKIT® systems could also be supplied with a H750 - 75Wp - 4,5A or a H1160 - 100Wp - 6,3A photovoltaic module and their special horizontal stainless steel supporting structure. (see picture)



Horizontal stainless steel supporting structure

STARTER and SERVICE batteries

In order to assure a better and longlasting autonomy during the navigation, we suggest the use of sealed maintenance-free lead-gel batteries.



Advantages of a lead-gel battery:

- it is completely sealed and it can operate placed in any position, in particular during the close-hauling navigation;
- average operating lifetime about eight up to ten years;
- no emission of inflammable gases while the battery is charging.