INSTAILATION GUIDE EASY PLAN LIGHT







ESENERGY SYSTEMS

Energy Systems is a company main office with and headquarters located in Braga, within the north Portugal region. We are specialists in the development and production of photovoltaic mounting systems and carport structures, with standard or tailored solutions. Our main focus is to offer high quality and reliability products, that satisfy our customers needs. We have our own production and engineering departments, with experienced professionals and always acting according with the Eurocode rules and standards. We develop and produce components and mounting systems with guarantee of high performance. All our products are designed and developed to become the assembly easier and faster, reducing the time spent on instalations.







Easy Plan Light

The Easy Plan Light is produced under a rigorous process of engineering and quality, which ensure an excellent performance in the fixation of photovoltaic modules on different surfaces of aplication by bonding. The rail is made of extruded aluminium (EN AW-6060) with ther-

mal treatments (EN 573-3 and EN 755-2) and it has 15 years of manufacturing warranty. All the accessories are made of Stainless Steel A2, following the DIN ISO 4759/1 and DIN 267/2 rules. The solution is supplied in complete kits, which are composed by:





General Information

Please note that this installation guide contains the steps to ensure a safety and reliable fixation of photovoltaic modules by bonding and it is exclusively used to the Easy Plan Light. In addition to the orientations contained in this document, it is important to note the following aspects:

A PV system may have a high electric voltage and the install operations should be made by accredited professionalsy; All the good engineering practices should be addopted; Follow the applicable local laws and technical recomendations; Act in compliance with healty, safety regulations and accident prevention; Use the right equipments and observe their conditions; Roofs are dangerous, any fall protection safeguards should be used during the works; Pay attention about the protective equipments such as helmet, boots, gloves and mask (if it needs); Never work alone. In case of emergency you might need some help; Environmental requirements must be respected; Check the conditions of the roof structure; The assembly instructions of the photovoltaic module manufacturer should be follow;

We are always looking for improve and develop a better guide to help all our customers to make as best work as possible. So, if you have important information to contribute in our process, please send your comments or suggestions to **info@energysystems.pt**. We are a very open-minded company.





The solution is supplied in complete kits, which are composed by:

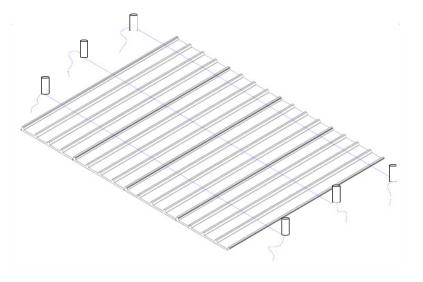








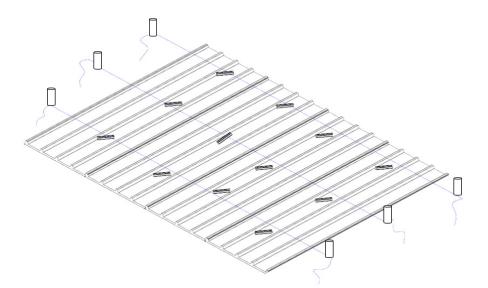
With a Chalk Line and a marker pen, **mark all** the fixing points in each line of modules.



Please note that the Easy Plan Light must be fixed on the top face of the roof (crown, crest); The end of the first/last module in the line must not be more distant than 40cm to the nearest fixing point.

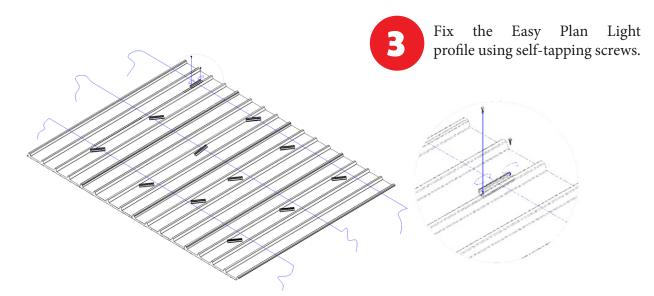


Distribute on the roof all the pieces which shall be used to fix the modules.

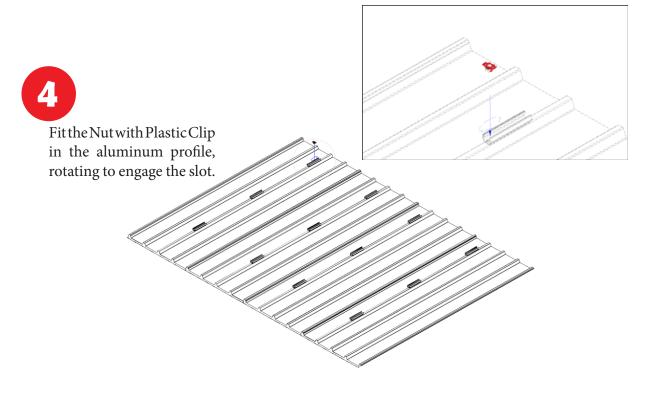






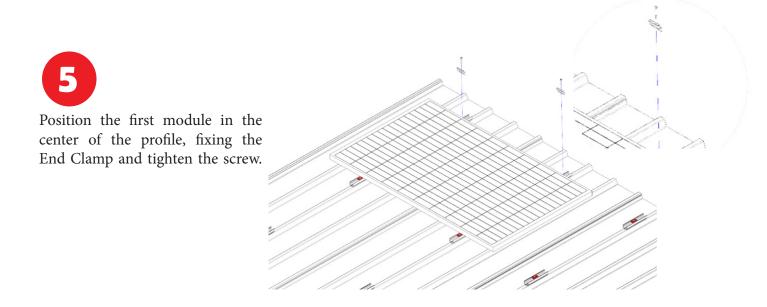


Please, note that the size and type of the screws can vary according to the roof specifications.

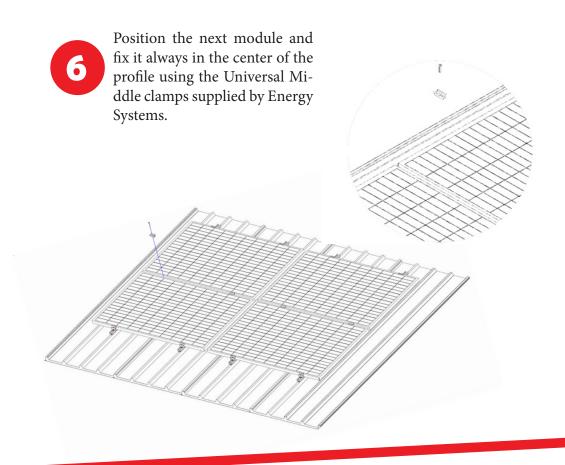








The modules must be installed in a landspace orientation, to ensure a better use of the profile.

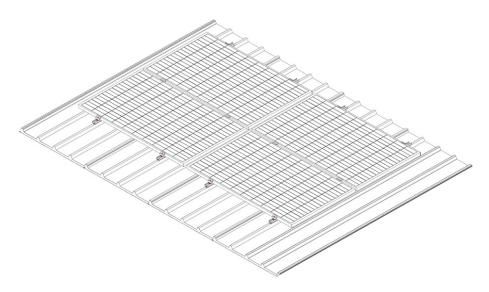








Repeat the process for all modules, always keeping the procedure indicated on this Installation Guide.



In case of doubt or any further information, please contact the Energy Systems.

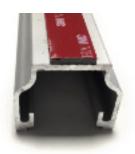




Other Products



Easy Roof



Easy Plan 3M



System



Ballast 3M - TPO/PVC

Membrane

Triângle / Multiangle Aluminium Systems 1º to 35º



Carport System





Our Components



T Bolt M8X20 Inox A-2



End Clamp Aluminium 35mm/40mm/45mm



Middle Clamp Aluminium



Allen Bolt Din 912 M8 Inox A-2



Flanged Nuts M8 Inox A-2



Nuts with Plastic Clip M8 Inox A-2



Adjustable Hook Inox A-2



Fixing screw with double thread + Adapter plate Inox A-2



Ground Wire Clip (Electrical Protection)



