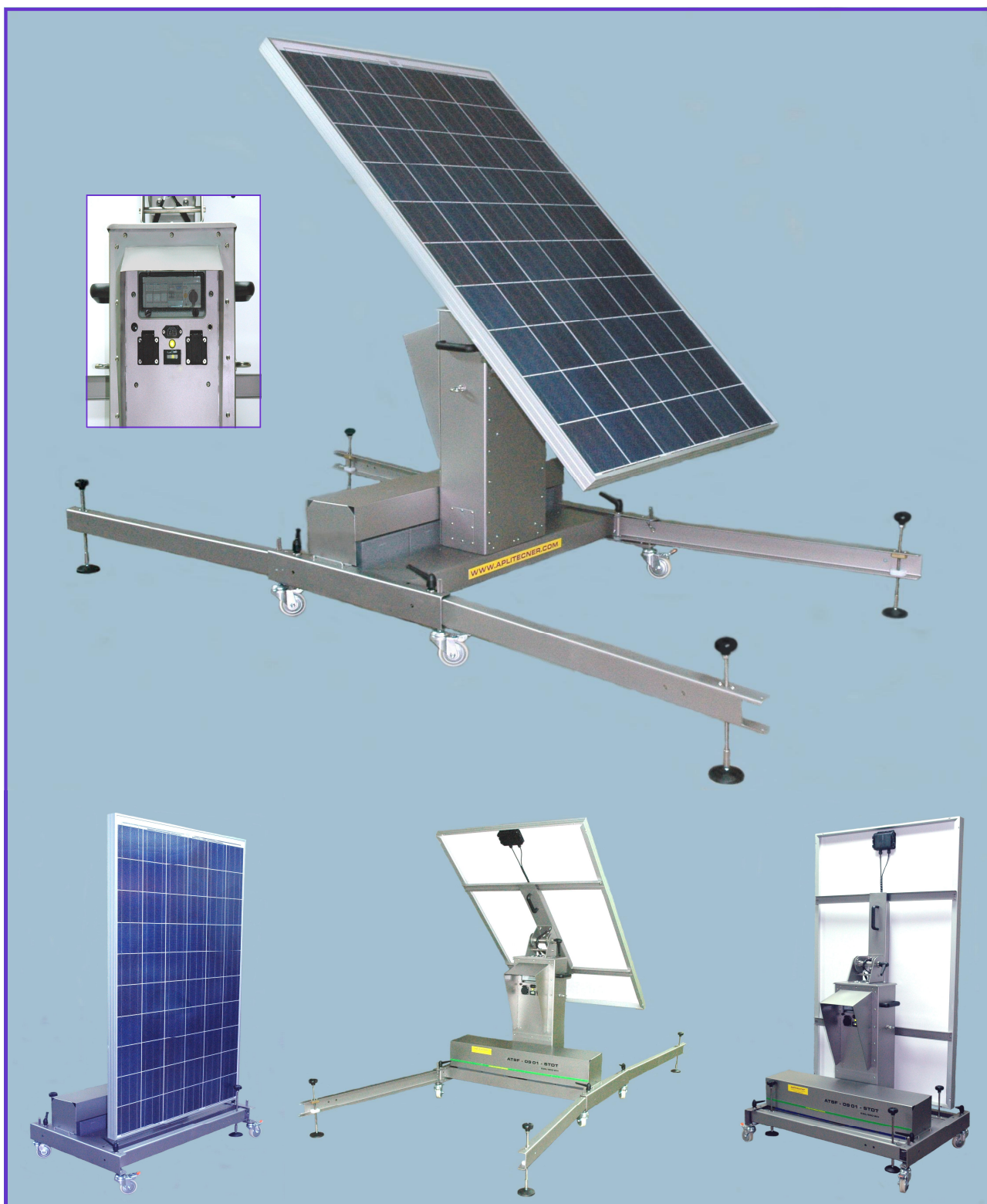


aplitecner s.l.
applications of energetic techniques

CATALOGUE:
ATSF- 0901
STDT-4M8E



SYSTEMS WITH RENEWABLE ENERGY

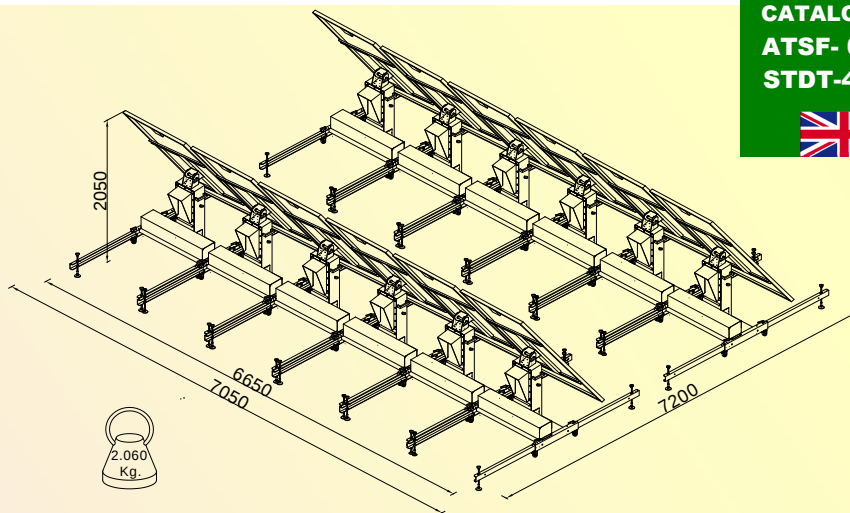
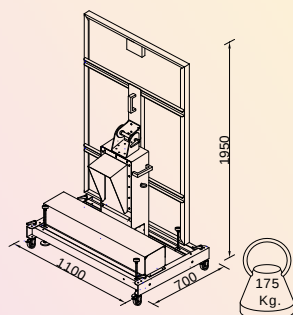


SYSTEM: COMPACT INSTALLATION, COLLAPSIBLE, MOBILE, ISOLATED PHOTOVOLTAIC INSTALLATION, MODULAR. From: 0,9 to 4,0 Kw./H.

APLITECNER, S.L. PATENTED SYSTEM,

WEIGHT AND DIMENSIONS:

CATALOGUE:
ATSF- 0901
STD-4M8E



SYSTEM DEFINITION:

An isolated photovoltaic solar installation, produced within a compact frame, designed to act as a high quality and long-life support that provides both protection from the weather and safety from the different elements that make up this type of installation, created with the idea of being transported and moved in an easy and comfortable way. Since this is a collapsible installation, the amount of space used is reduced considerably. It is provided with a solar module of great dimension and power with the highest output yet achieved. The electronic systems, which are all controlled by microprocessors, control the solar energy and store it inside safe, high capacity accumulators, in order to be able to make use of the electric power during and after the hours of sun. The pure, filtered and regulated electric alternate sinusoidal power is available with its two outlets providing protection for people and receptors and is totally compatible with the identical features of the network. However, it cannot work if it is simultaneously connected to the network. This is a compact isolated installation which can be amplified by means of using several installations connected between themselves with a synchronised performance which provides the possibility of increasing power and/or capacity. There is the option of using the compact installations within one system which can be used to charge the accumulators, together with solar energy and a power generator, in order to be able to use the energy without the generator functioning.

POSSIBLE APPLICATIONS:

Among others: Zones with no electrical network. Zones with a risk of long-term electrical faults, with the aim of conserving refrigerated food. Shelters of agricultural and/or cattle exploitations separated from urban centres. Holiday or provisional seasonal employment camps. Measuring instruments and environmental field studies. Provisional building and service installations. Building signs. Emergency lighting. Danger signs on roads. Electrical power support for computer equipment and isolated telecommunications. Reduced size water pumping in rural areas. Setting up of events. Isolated advertising illumination. Itinerant sales. The recharging of machines and electric mobile vehicles, etc.

YIELD:

HOURS OF AUTONOMY, APROX. WITH FULLY CHARGED ACCUMULATORS, DEPENDING ON THE CONSUMPTION:

WATTS:	3600	3200	2800	2400	2000	1600	1200	800	400
HOURS:	4,8	5,7	6,9	9,0	10,8	13,5	18,0	27,0	53,9

HOURS OF AUTONOMY, APROX. WITH QUANTITY OF DAILY SUN DEPENDING ON THE MONTH AND CONSUMPTION:

WATTS:	3600	3200	2800	2400	2000	1600	1200	800	400
JANUARY	1,50	1,69	1,93	2,25	2,70	3,38	4,50	6,76	13,51
FEBRUARY	2,03	2,28	2,61	3,05	3,65	4,57	6,09	9,14	18,27
MARCH	2,58	2,90	3,32	3,87	4,65	5,81	7,74	11,62	23,23
APRIL	3,08	3,46	3,96	4,62	5,54	6,92	9,23	13,85	27,70
MAY	2,86	3,22	3,68	4,29	5,15	6,44	8,59	12,88	25,76
JUNE	3,16	3,56	4,07	4,74	5,69	7,11	9,49	14,23	28,46
JULY	3,66	4,12	4,71	5,49	6,59	8,24	10,98	16,47	32,94
AUGUST	3,79	4,26	4,87	5,69	6,82	8,53	11,37	17,06	34,12
SEPTEMBER	3,22	3,63	4,15	4,84	5,80	7,26	9,67	14,51	29,02
OCTOBER	2,56	2,88	3,29	3,84	4,61	5,76	7,68	11,51	23,03
NOVEMBER	1,87	2,11	2,41	2,81	3,37	4,21	5,62	8,43	16,85
DECEMBER	1,43	1,61	1,84	2,14	2,57	3,22	4,29	6,43	12,87

OBSERVATIONS:

The data contained in this catalogue may undergo changes and improvements without prior warning. These tables have been developed taking the average of the solar radiation in the Peninsular number 3 climatic zone of Spain, throughout the last ten years. All the losses and electronic internal consumption have been taken into account in the types of installation mentioned. The tests that have been carried out on several units have all surpassed the considered average values, in several cases by 15%.