

SOLART-SYSTEM LTD

An Engineering Company for Solar Energy

20 Gulyás Street, Budapest XI. Hungary 1112 T:+361 2461783 F:+361 2461783
e-mail: mail@solart-system.hu web: www.solart-system.hu

SOLAR EDUCATIONAL MODUL

The Solar Educational Modul SEM is a complex tool for studying of the Solar Energy Conversion. The SEM has 3 basic equipment as follows:

- Multipurpose Educational Solar Thermal Unit MESTU
- Multipurpose Educational Solar Power Supply MESPS
- Solar Power Measuring and Backup Bag SPMBB

MESTU is an excellent tool to study the thermal utilization of the solar energy at different latitude. The MESTU is not only a simply study aid device, but a solar hot water production system for school, washing etc. as well.

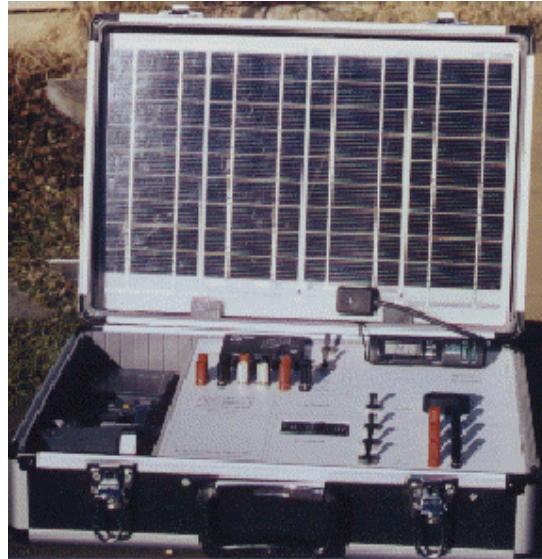
MESPS is an excellent tool to study the electrical utilization of the solar energy at different latitude. The MESPS is not only a simply study aid device, but a solar power supply providing electricity for other study aid devices like radio, TVsets, videos, PCs and for lighting, water pumping, irrigation etc. as well.

Taking into consideration the conditions and demand of the education in secondary and high school we have followed the main concepts of the construction of the MESTU and MESPS as follows:

- uniform modular structure
- easy mounting for unit and for multiplying
- different fixture for outdoor application
- suitability for measuring and monitoring
- safe, accident free structure
- easy operation
- professional solar technology look
- outdoor construction for life span of min. 10 years
- durability for often setting and measuring



The SPMBB is an excellent tool for the educational demonstration. It is a small portable power station providing electricity from the solar energy. It has been developed for educational purposes but it can be used at field tests, putting into operation, developing as well. The electricity is provided in different shapes and ranges. Furthermore it has own instrument being suitable for measuring and registration with PC interface. There are electrical terminals for measuring and for demonstration of operation of the solar power station on the front plate. The SPMBB completes well the MESTU and the MESPS because among others it is suitable for measuring and registration of the solar radiation, temperatures, currents, Voltages as well.



The SPMBB, the MESTU, and the MESPS also have operation an technical descriptions and study guides, teaching materials make them complete.

Options: DC-AC inverters
Monitoring systems
Weather station
Different softwares like Sunarch and
other DC, AC instruments

The SPMBB, the MESTU, and the MESPS were presented with success in different international Conference and Fairs like:

NATUREXPO Budapest, Hungary 1996 September
(MESTU, MESPS)

ISES 1997 SOLAR WORLD CONGRESS August 24 - 30, 1997 Taejon, Korea
(MESTU, MESPS)

INDUSTRIA 98 Budapest, Hungary 1998 May
(SPMBB)

EuroSun 98 The second ISES-Europe Solar Congress September 14 - 17, 1998. Portoroz,
Slovenia (SPMBB)

HANNOVER MESSE Apr. 1999 (SPMBB)