SOLART-SYSTEM LTD

An Engineering Company for Solar Energy

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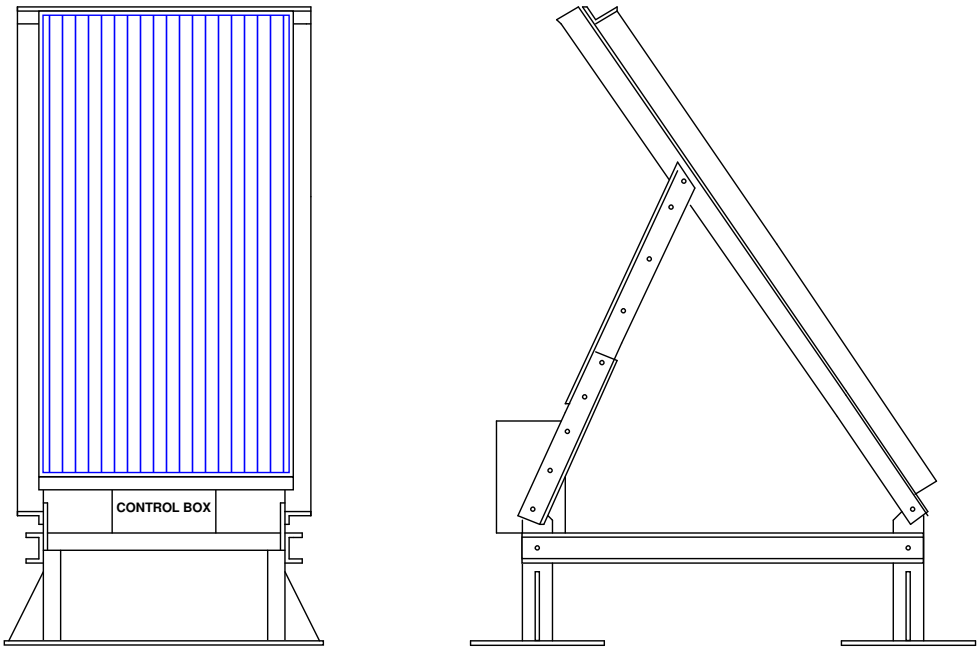
MULTIPURPOSE EDUCATIONAL SOLAR THERMAL UNIT

The Multipurpose Educational Solar Thermal Unit 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.



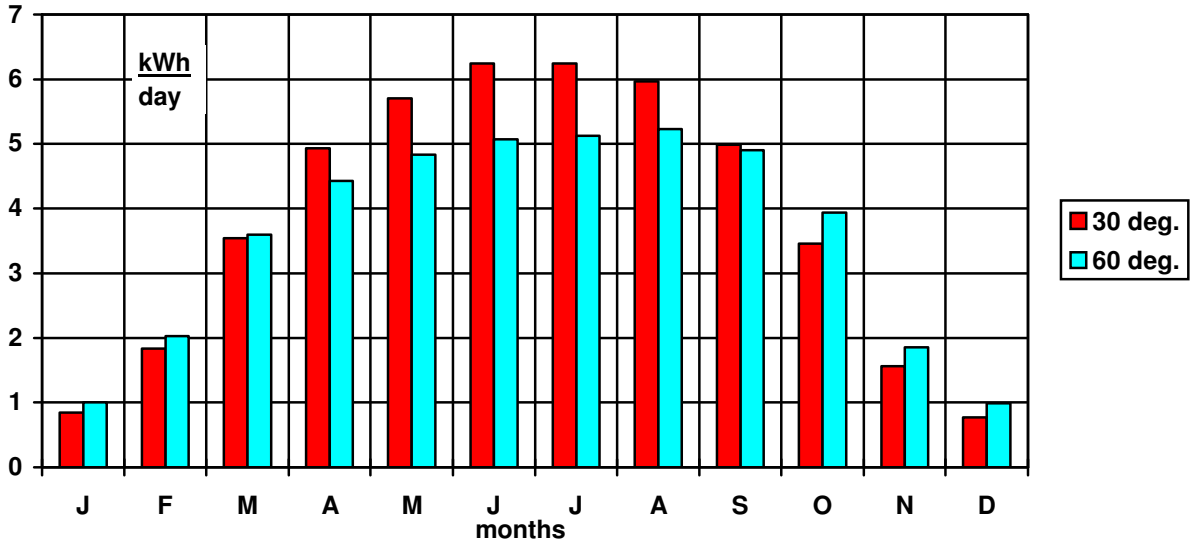
The approx. 2 m^2 solar collector is mounted for an adjustable aluminum support having holes for setting the tilt angles. The support has two stay plates. The stay plates are suitable for ground mounting of the MESTU. The stay plates have holes for fixing the equipment. The stay plates could be also loaded by bricks or any other heavy materials without using screws for fixing. The Control Box of the MESTU consisting of the control electronic, the junctions and measuring terminals normally is fixed on the rear side. The hot water storage tank, circulating pump, pressure equalizer lay on separately.

THE MAIN TECHNICAL DATA

Pressure in operation	max. 3 bar
Flow rate	70-90 litres/hour
Nominal voltage	U_n = 230 V AC~50 Hz
Storage tank	150 litres
Auxiliary heating	electric 230 V 1.8 kW

Tilt angle : changeable between 15-60 degrees with steps of 5 degrees

The solar gains expected at different tilt angles facing due south in Budapest are as follows:



Options: DC control electronic
DC circulating pump
AC/DC water pump
Monitoring systems
DC, AC instruments
Meteorological measuring and monitoring station

The modular construction of the equipment makes its multiplication possible.

To need more hot water to use more equipment!