

SM 10

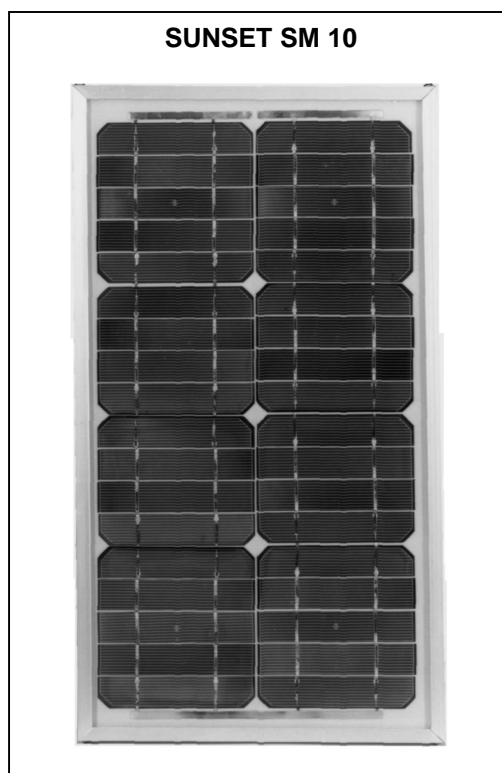
SM 10/36 – Item No. 10000

Manufacturer SUNSET

Solar generator SM 10 has been developed especially for the use in small private and industrial appliances with low power demand e.g. battery top-up charging, independent power supply for mobile weather stations etc.

The 36 one fifth cells of the SM 10 made from crystalline silicone achieve a peak power of 10 Wp. The solar cells are textured and non-reflective. They are sandwiched within the laminated module in soft EVA plastic (ethylene-vinyl-acetate). This guarantees water resistance and UV stability as well as electrical insulation and allows thermal expansion.

The front cover of SM 10 of hardened very clear special glass is extremely light-permeable and robust. The Tedlar plastic reverse side is strongly bonded to the glass layer. Anodized aluminium L-profiles from the warp resistant module frame in which the laminate is enclosed makes universal mounting simple. Thus the solar module SM 10 is well protected from mechanical and climatic influences.



The electrical connection for this module utilises a sealed connection box with a 0,5 m cable.

Technical specifications SM 10/36

Rated power P_{max}	[W _p]	10
Rated current I_{MPP}	[A]	0,58
Rated voltage U_{MPP}	[V]	17,2
Short circuit current I_K	[A]	0,64
Open circuit Voltage U_L	[V]	20,8
Length	[mm]	434
Width	[mm]	234
Height	[mm]	20
Height of terminal box	[mm]	12
Weight	[kg]	1,3

Limited warranty for 10 years power output

Watt_p [W_p]: peak power under test conditions:
Air Mass AM = 1,5
Radiation E = 1000 W/m²
Cell temperatur T_c = 25 °C