

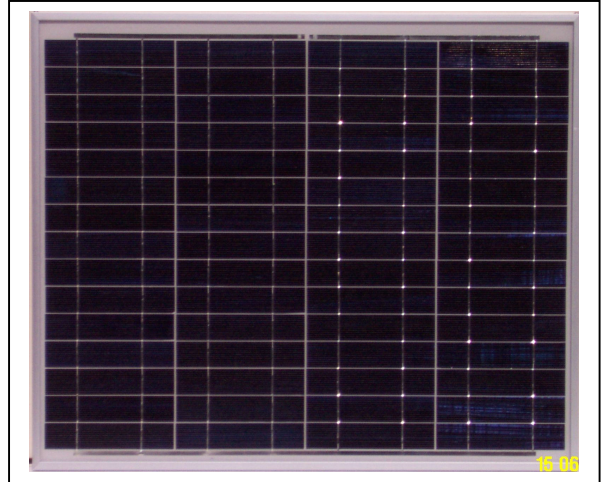
SM 45

SM 45/60 - Item No. 10022

Manufacturer SUNSET

Solar generator SM 45 has been developed especially for the use in middle private and industrial appliances
e.g. lighting for weekend chalet, independent power supply for pumping systems etc.

The cells made from crystalline silicon achieve a peak power of 45 W_p. 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. Connectivity is via a one metre long electrical wire.



The front cover of SM 45 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. Thus the solar module SM 45 is well protected from mechanical and climatic influences.

Technical specifications		SM 45/60
Rated power P _{max}	[W _p]	45
Rated current I _{MPP}	[A]	3,05
Rated voltage U _{MPP}	[V]	14,75
Short circuit current I _K	[A]	3,3
Open circuit Voltage U _L	[V]	18,1
Length	[mm]	640
Width	[mm]	530
Height	[mm]	20
Height of terminal box	[mm]	12
Weight	[kg]	4,2

Limited warranty for 10 years power output

W_p = peak power under test conditions, Air Mass = 1,5, Radiation E = 1000 W/m², Cell temperature T_C = 25 °C