

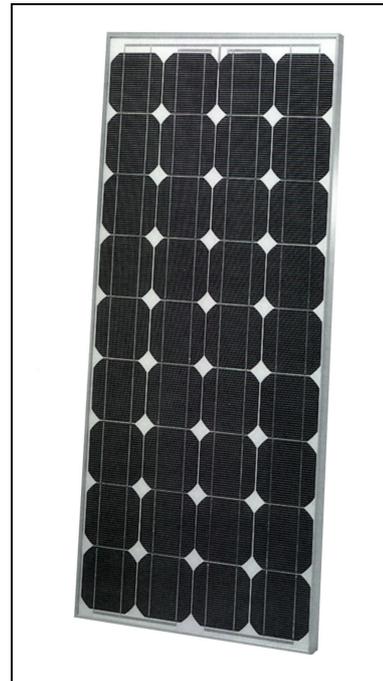
# AS 80

## Manufacturer SUNSET

The solar generator AS 80 consists of 36 high efficient monocrystalline 5 " cells.  
 The efficient processing resulting from this makes a favorable Wp-price possible.  
 The cells distinguish themselves by particularly high electricity output, even on cloudy days.  
 The total power amounts to 80 watts.

### Areas of application:

The solar generator AS 80 is used in small solar arrangements and also in off-grid house and telecommunication applications. Also solar pump systems and net feeds with the solar generator AS 80 can be set up. Because of the high current this module type is very well suited to battery charging.



### Construction of the Solar Generators:

The 36 monocrystalline silicon cells are embedded in soft EVA-plastic (ethyl vinyl acetate) of the module laminate. That means humidity protection, UV stability, electric insulation and thermal loading capacity.

The front cover of hardened very clear special glass is extremely light-permeable and robust. It is permanently bonded together with the plastic back.  
 Anodized aluminium L-profiles form the warp resistant module frame in which the laminate is enclosed.

Thus the solar module AS 80 is well protected from mechanical and climatic influences. The connection is housed in a weatherproof wiring box at the back in which the protective diodes are also mounted.

### Technical specifications

Rated power $P_{max}$	[W <sub>p</sub> ]	80
Rated current $I_{MPP}$	[A]	4,6
Rated voltage $U_{MPP}$	[V]	17,3
Short circuit current $I_K$	[A]	4,95
Open circuit Voltage $U_L$	[V]	21,5
Max. Systemvoltage	[V]	600
Length	[mm]	1200
Width	[mm]	526
Height	[mm]	35
Weight	[kg]	8,2

### Limited warranty for 20 years power output

$W_p$  = peak power under test conditions:  
 Air Mass AM = 1,5  
 Radiation E = 1000 W/m<sup>2</sup>  
 Cell temperature  $T_c$  = 25 °C

