

Check it - MacSolar!

First class solar technology!

SOLARC

Your industrial partner for the development and production of high efficiency solar systems and charge regulators.

Start the future of independent mobile energy together with us!



SOLARC

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Technical data MacSolar

Measuring range / Resolution

	P_{tot}	T	P_n	U_n	I_n	hour
Unit	W/m ²	°C	%	%	%	h
values	0 ... 1500	-40 ... +85	0 ... 150	0 ... 150	0 ... 150	0 ... 9999
Resolution	1	0.1	0.1	0.1	0.1	0.1 / 1

- Overall accuracy $P_{tot} < 3\% \pm 1$ digit (50...1.000W/m² / AM1,5 / normal incidence(*2) / $T_{modul} = 0...+50^{\circ}C$)
- Overall accuracy T < 3K ± 1 digit (-25...+75°C)
< 1K ± 1 digit on request
- Power consumption (sleep mode) 0,6 mW
- Power consumption (active Mode) 4 mW
- Rated power of integr. Solar panel 180mW *1
- Power supply externa 9 – 12 V / 20mA
- Data storage capacity 256 kbit
- Data transmission seriell (RS232), USB on request
- Ambient temperature range -20 ... +50°C
- Max. ambient humidity 95%
- Dimensions (without mounting) 130 x 90 x 30mm or
5.1 x 3.5 x 1.2 inches
- Weight (without mounting) 170g or 6oz
- Certification CE / EN50081, EN50082, EN60068
- Calibration according to IEC904/3
Calibration certificate on request
- Warranty 2 years

*1 at standard test conditions: $P_{tot} = 1.000$ W/m², spectrum AM1.5, T = 25 °C

*2 as certified by FhG ISE Freiburg in Germany

Last updated 08/2011, subject to change without notice

