

## Energetica Photovoltaic module E-1300B

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### Product properties

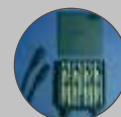
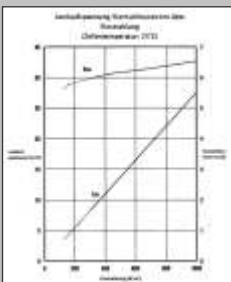
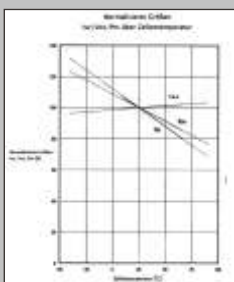
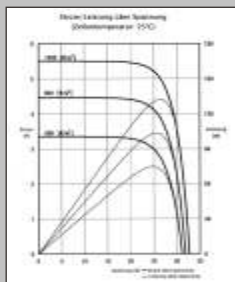
**Photovoltaic module "made in Austria"!**

**Production in the house**

**5 years product warranty**

**25 years efficiency warranty on 80 % of the module power**

54 polycrystalline, square solar cells (125x125 mm)  
High transmission glass, 3,2 mm  
Weather-resistant PET-Al-PET-foil, EVA  
Double chamber, black aluminium frame  
Kitani-connection cables  
Waterresistant junction box safety class IP 65  
Dimensions junction box: B 94 x H 100 x T 21 mm  
Temperature range from -40°C to +90°C  
Optical, mechanical and electrical module control during and after the production  
Max. System voltage: 770V



Type	E-1320B	
Maximum Power $P_{MPP}$ ( $P_{Max}$ ) [Wp]	132	
Power tolerance [%]	+10/-5	
Open circuit voltage $U_{oc}$ [V]	32,70	
Maximum power point voltage $U_{MPP}$ [V]	26,41	
Maximum power point current $I_{MPP}$ [A]	5,00	
Short circuit current $I_{sc}$ [A]	5,50	
Nominal cell temperature $T_{Nom}$ [°C]	43	
Cell efficiency $\eta_{Zelle}$ [%]	15,6	
Module efficiency $\eta_{Modul}$ [%]	13,7	
Thermal coefficient of open circuit voltage $\alpha$	-0,116 V/°C	-0,355%/°C
Thermal coefficient of Maximum Power $\beta$	-0,634 W/°C	-0,48%/°C
Thermal coefficient of short circuit voltage $\gamma$	+0,003 A/°C	+0,053%/°C
Dimensions LxBxH [mm]	1200x802x46	
Module weight [kg]	12,5	

This measurements are valid on standard test conditions STC  
(Air mass AM 1,5; radiation of 1000W/m<sup>2</sup>; cell temperature 25°C)

Technical data.  
Specifications are subject to change without prior notice.