

# First-class modules from the P-Z-M range

P-Z-M P660230/235/240/245 photovoltaic modules

## ELECTRICITY FROM SUNLIGHT

Sunrise Solartech manufactures high-performance solar modules for P-Z-M.

### Performance

The high-power modules in the range of 230 Wp to 245Wp with polycrystalline cells deliver an efficiency of up to 14.98%.

### Qualifications and certificates

The modules have been tested by leading institutions and are TÜV certified for reliability and safety:

- ▶ Protection class II
- ▶ Certified according to IEC 61215
- ▶ CE marking

### Guarantee

P-Z-M provides a German warranty that guarantees the quality of the modules produced. The modules have a power output guarantee of 10 years at 90% power and 25 years at 80%. The manufacturer provides a warranty of 5 years for defects in materials and processing.



## TECHNICAL CHARACTERISTICS

- ▶ high energy yields under the most varied climatic conditions, excellent performance in low light, outstanding temperature coefficient
- ▶ anodised, corrosion-resistant aluminium frame
- ▶ strong encapsulation - high resistance to UV, temperature and weathering under extreme conditions
- ▶ environmentally friendly - lead-free solar cells, 100% reusable packaging
- ▶ anti-reflective glass - high output
- ▶ verifiable supply of the pre-calculated energy yield using flash list

Maximum power for you

# YOUR PENSION FROM THE SUN

ELECTRICAL CHARACTERISTICS	230	235	240	245
Maximum power (Pm)	230 W	235 W	240 W	245 W
Short circuit current (Isc)	8.51 A	8.21 A	8.51 A	8.81 A
Open circuit voltage (Voc)	37.1 V	36.72 V	37.71 V	38.68 V
Max. power current (Imp)	7.11 A	6.8 A	6.83 A	7.28 A
Max. power voltage (Vmp)	30.48 V	30.60 V	30.66 V	29.60 V
Temperature coefficient of Isc	0.04 % / °C	0.04 % / °C	0.04 % / °C	0.04 % / °C
Temperature coefficient of Voc	-0.32 % / °C	-0.32 % / °C	-0.32 % / °C	-0.32 % / °C
Temperature coefficient of Pmax	-0.35 % / °C	-0.35 % / °C	-0.35 % / °C	-0.35 % / °C
Maximum system voltage	DC1000 V	DC1000 V	DC1000 V	DC1000 V
Wind Bearing (Pa)	2400			
Pressure Bearing (Pa)	5400			

Die elektrischen Daten gelten bei Standard-Test-Bedingungen (STC):  
 Einstrahlung in Modulebene 1000 W/m<sup>2</sup> mit Spektrum AM 1,5 bei einer Zelltemperatur von 25 °C.  
 Es kann zu Leistungstoleranzen von +/- 3 % kommen.

PHYSICAL CHARACTERISTICS	
Number of cells	60 cells in rows
Cell size	Polycrystalline silicon solar cells (156x156mm)
Module weight	20.20 kg
Module size	1637x992x50(mm)
Connection	MC4 junction box

## Technische Zeichnung

