

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

P-Z-M M660235/240/250/260 photovoltaic modules

P-Z-M M672285/290/295/300 photovoltaic modules



## ELECTRICITY FROM SUNLIGHT

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

### Performance

The high-power modules in the range 235Wp to 300Wp with monocrystalline cells deliver an efficiency of up to 15.3 %.

### 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	235	240	250	260	285	290	295	300
Maximum power (Pm) (W)	235 W	240 W	250 W	260 W	285 W	290 W	295 W	300 W
Short circuit current (Isc) (A)	8.65	8.79	8.40	9.24	8.70	8.79	8.91	9.00
Open circuit voltage (Voc) (V)	36.10	36.28	38.00	37.40	43.54	43.85	44.04	44.28
Max. power current (Imp) (A)	8.01	8.14	7.94	8.56	8.06	8.14	8.25	8.34
Max. power voltage (Vmp) (V)	29.35	29.50	31.49	30.40	35.40	35.68	35.80	36.00
Temp. coeff. of Isc (%/°C)	0.031		0.03		0.031			
Temp. coeff. of Voc (%/°C)	-0.37		-0.31		-0.37			
Temp. coeff. of Pmax (%/°C)	-0.53		-0.37		-0.53			
Maximum system voltage (V)	DC1000 V							
Wind Bearing (Pa)	2400							
Pressure Bearing (Pa)	5400							

The electrical data apply to standard test conditions (STC):  
irradiance at module level 1000 W/m<sup>2</sup> with AM 1.5 spectrum at a cell temperature of 25°C.  
Power tolerances of +/- 3% can occur.

PHYSICAL CHARACTERISTICS	M660235/240/250/260*	M672285/290/295/300**
Number of cells	60 cells in rows	60 cells in rows
Cell size	Monocrystalline silicon solar cells (156x156mm)	Monocrystalline silicon solar cells (156x156mm)
Module weight including packaging	20.20 kg	23.20 kg
Module size	1637x992x50 (mm)	1958x992x50 (mm)
Connection	MC4 junction box	MC4 junction box

## Technical drawing

