



BEM-280



12 year product warranty



25 year linear performance warranty



100 % electroluminescence inspection



Guaranteed positive power tolerance



Maximum 8000 Pa snow load



IP68 junction box available,
long-term weather endurance



Innovative solution: anti-reflective coating for high
sunlight absorption



Potential Induced Degradation FREE



High quality components



Packing system to avoid
micro cracks



Light Induced Degradation FREE



4 busbars



Ammonia
resistance certificate

Salt water mist
resistance certificate

Fire resistance certificate



TECHNICAL SPECIFICATIONS **BEM-280**

Electrical Characteristics

Maximum power [Pmax]	280 Wp
Cells	Monocrystalline
Nr of cells	60
Short circuit current [Isc]	9,65 A
Open circuit voltage [Voc]	38,00 V
Maximum power current [Imax]	9,05 A
Maximum power voltage [Vmax]	31,00 V
Module efficiency	17,21 %
Maximum system voltage	1000 VDC
Tolerance	0 +4,99 Wp
Temperature coefficient current TcI	0,03 %/°C
Temperature coefficient voltage TcV	-0,31 %/°C
Power temperature coefficient TcP	-0,39 %/°C
NOCT (800 W/m ² , 20°C, AM 1.5, 1m/s)	43±2 °C

Qualification test parameters

Maximum load*	5400 Pa
Wind load	2400 Pa
Application class	A

Irradiance dependence

[W/m ²]	1000	800	600	400	200
Isc	0 %	-19,60 %	-39,50 %	-59,20 %	-80,19 %
Voc	0 %	-1,38 %	-3,05 %	-5,90 %	-8,30 %

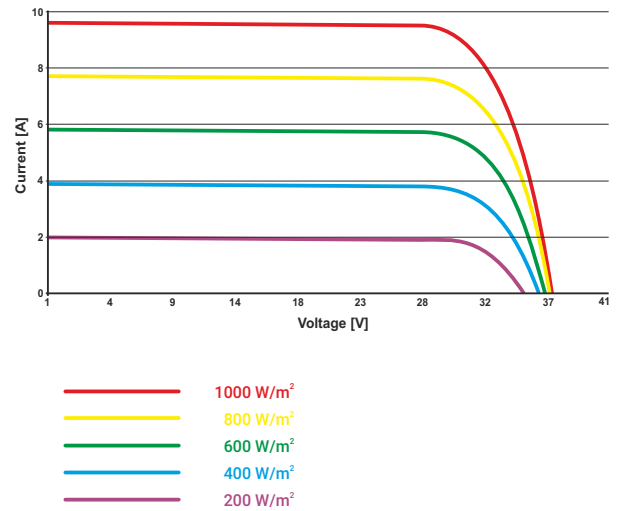
Physical characteristics

Length	1640 mm
Width	992 mm
Thickness	40 mm
Weight	18,3 kg
Junction box	IP67
Bypass diodes	3
Reverse current protection	15 A

Packing

Packing method	Quantity	Transport
Cartoon 1,7x1,2 m	26 pieces/pallet	30 pallet/truck

CURRENT-VOLTAGE CHARACTERISTICS



BRUK-BET SOLAR WARRANTY

