



BEM-300



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-300**

Electrical Characteristics

| | |
|---|-----------------|
| Maximum power [Pmax] | 300 Wp |
| Cells | Monocrystalline |
| Nr of cells | 60 |
| Short circuit current [Isc] | 9,85 A |
| Open circuit voltage [Voc] | 38,80 V |
| Maximum power current [Imax] | 9,25 A |
| Maximum power voltage [Vmax] | 32,50 V |
| Module efficiency | 18,44 % |
| 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 % |

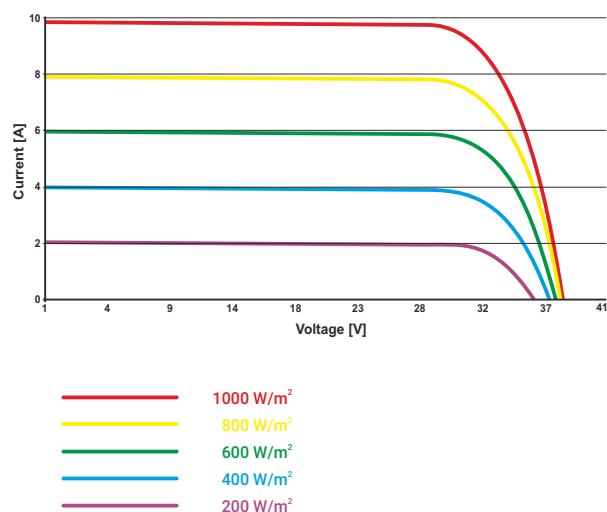
Physical characteristics

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

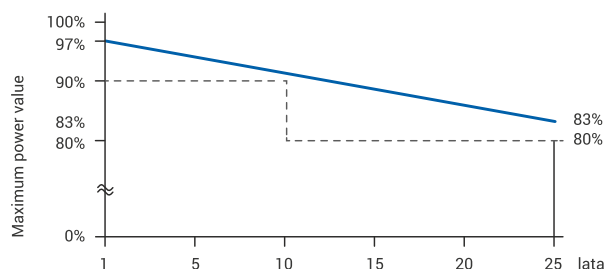
Packing

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

CURRENT-VOLTAGE CHARACTERISTICS



BRUK-BET SOLAR WARRANTY



— Additional warranty provided by Bruk-Bet Solar
 - - - Typical market guarantee

