



Weak Light Performance		
Intensity W/m <sup>2</sup>	Umpp	Impp
800	0	-20
600	-0,9	-40
400	-2,1	-60
200	-5,1	-80
100	-8,7	-90

### Mechanical/Thermal Characteristics

- ◆ Module Dimensions: 1660 x 990mm
- ◆ 60 Poly-Crystalline three bus bar cells per module
- ◆ Anodized Aluminium Frame depth 42mm
- ◆ Weight 21 kg
- ◆ TÜV 5400 Pa tested
- ◆ Hail up to 28mm diameter, 86 km/h tested
- ◆ Temperature Range - 40 to +85°C
- ◆ Nominal Operating Cell Temperature(NOCT):47°C
- ◆ Glass Foil Sandwich Laminate
- ◆ EVA encapsulate
- ◆ Glass thickness and type: 4mm, tempered

### Certificates

- ◆ TÜV IEC 61215
- ◆ TÜV Safety Class II
- ◆ TÜV IEC 61730
- ◆ TÜV 5400 Pa according to EN IEC 61215

### Electrical connection

- ◆ Junction Box Spelsberg PV1410
- ◆ 3 Bypass Diodes nominal current 12A
- ◆ Solar Cable 4 mm<sup>2</sup> 800mm with MC connectors
- ◆ Module connection max 989V in series
- ◆ Limiting reverse current I<sub>R</sub>=15A

### Electrical Characteristics at STC

1000W/m<sup>2</sup> at cell temperature of 25°C, AM 1,5

- ◆ Temperature Coefficients:
  - I<sub>sc</sub> / K : +0,03%
  - U<sub>oc</sub> / K : -0,33%
  - P<sub>mpp</sub> / K : -0,43%
- ◆ Tolerance on Rated Power: **+2,5%**

Module Type	60E6+3bb225	60E6+3bb230	60E6+3bb235	60E6+3bb240
Rated Power : Wp	225	230	235	240
Open Circuit Voltage (Uoc) : V	36,60	36,75	36,80	37,20
Short Circuit Current (Isc) : A	7,95	8,08	8,16	8,25
Max. Power Voltage (Umpp): V	30,30	30,48	30,64	30,73
Max. Power Current (Impp) : A	7,43	7,55	7,67	7,81
Module efficiency : %	13,69	13,99	14,3	14,6

### Warranty:

Performance warranty : **10 years** with maximum loss of 10% on Power Rating

Performance warranty : **25 years** with maximum loss of 20% on Power Rating

Product warranty : **5 years**

Specifications are subject to technical changes © Enfoton Solar Ltd – 03.10