**AXIpremium HC**

120 halfcell monocrystalline
High performance solar module

The advantages:

1. **15 Years**
   - 15 years manufacturer's warranty

2. **HC**
   - Highest module performance through Half-Cut-technology and tested materials

3. **Wp**
   - Guaranteed positive power tolerance from 0-5 Wp by individual measurement

4. **5,400 Pa**
   - Maximum 5400 Pa snow load

5. **100%**
   - 100% electroluminescence inspection

6. **Soft Grip**
   - High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction

7. **IP 68**
   - High quality junction box and connector systems

**Exclusive linear AXITEC high performance guarantee!**

- 15 years manufacturer's guarantee on 90% of the nominal performance
- 25 years manufacturer's guarantee on 85% of the nominal performance

**AXITEC Warranty Added Value!**

- 1 - 8% more power after 25 years
### Limit values

- **System voltage:** 1000 VDC
- **NOCT (nominal operating cell temperature)**: 45°C +/-2K
- **Max. load-carrying capacity:** 5400 N/m²
- **Reverse current feed (IR)**: 20,0 A
- **Permissible operating temperature:** -40°C to 85°C / -40°F to 185°F

*(No external voltages greater than Uoc may be applied to the module)*

### Temperature coefficients

- **Voltage Uoc:** -0,29 %/K
- **Current Isc:** 0,04 %/K
- **Output Pmpp:** -0,39 %/K

### Low-light performance (Example for AC-310MH/120S)

- **I-U characteristic curve**
  - 200 W/m²: 1,90 A, 32,15 V
  - 400 W/m²: 3,81 A, 32,39 V
  - 600 W/m²: 5,68 A, 32,50 V
  - 800 W/m²: 7,57 A, 32,68 V
  - 1000 W/m²: 9,47 A, 32,74 V

### Packaging

- **Module pieces per pallet:** 30
- **Module pieces per HC-container:** 780