DCH High-Performance Panel

High Yields due to high-efficient Busbar-Technology. DCH modules guarantees higher conversion efficiency of the cells and an excellent low insulation utilization. The photovoltaic effect is used more effectively.

- Use of pre-selected cells only
- Narrow output tolerance
- Plus-sorted modules delivered
- Wide temperature range
- High resistance to mechanical loads
- UV / Ozone resistant
- Flash-Data for each module provided
- Easy and fast installation
- Self-supporting aluminium frame
- System voltage up to 1000V

10 Years Product Warranty
10 Years Limited Performance Warranty for 90% of nominal power
25 Years Limited Performance Warranty for 80% of nominal Power

DCH 280 Poly

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**DATENBLATT STAND 04/2015**

Druckfehler und technische Änderungen vorbehalten.

### Nominal Power
- **Power**: 280 Wp

### Voltage at max. power Vmp
- 31,3 V

### Current at max. power Imp
- 8,95 A

### Open circuit voltage Voc
- 38,2V

### Short circuit current Isc
- 9,52 A

### Nominal power tolerance
- 0~+5W

### Temperature Coefficient Isc%K
- 0,05%/K

### Temperature Coefficient Voc %K
- -0,31%/K

### Efficiency
- 17,11%

### Number of Bypass-Diodes
- 3 Pieces

### Junction Box
- Protection type: IP67 with spring-cage term

### Solar cells per module
- 60 Pieces

### Solar cell type
- Polycrystalline

### Connection
- Junction-Box with 3 bypass-diodes
- Double isolated, UV-Resistant 4 mm² cable with MC4connector
- ca. 1000 mm each

### Max. system voltage
- 1000 VDC

### Operating temperature range
- -40 ~ +85°C

### Dimensions (tolerance +/- 1 mm)
- 1,650 mm x 992 mm

### Frame Height (tolerance +/- 1 mm)
- 40 mm, silver anodized Al alloy

### Weight
- ca. 18,2 kg

### Laminat/Glas
- 3,2 mm ESG extra-white, highly translucent, toughened glass

### Colouring
- Back side: white

### Hail test:
- Maximum diameter of 25mm with an impact speed of 23 m/s

### Max. pressure allowed:
- Max. 5400 N/m²

Data applies to Standard Test Conditions (STC): Insolation 1000W/m² with an AM of 1.5 and a cell temperature of 25°C