



ND-R240A5

- High-performance photovoltaic modules made of polycrystalline (156.5 mm)² silicon solar cells with module efficiencies of 14.6%.
- 3 busbar technology for enhancing the power output.
- Anti-reflex coating to increase light absorption.
- Production controlled positive power tolerance from 0 to +5 %. Only modules will be delivered that have the specified power or more for high energy yield.
- Delivery of modules in 5-watt intervals.
- Improved temperature coefficient to reduce power losses at higher temperatures.
- High power performance even at lower irradiancies.

Description

Technical Specification

General

| | |
|-----------------------|------|
| Nominal Output (Wp) | 240 |
| Module Efficiency (%) | 14,6 |

Mechanical data

| | |
|---------------------------------------------|--------------|
| Cell size (mm) ² | 156,5 |
| No. of cells and connections | 60 in series |
| Dimensions (LxHxW) (mm) | 1652x994x46 |
| Weight (kg) | 19 |
| Maximum mechanical load (N/m ²) | 2400 |

Electrical Characteristics

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|-------------------------------|------|
| Open Circuit voltage Voc (V) | 37,2 |
| Short circuit current Isc (A) | 8,57 |
| Maximum power voltage Vpm (V) | 30,4 |
| Maximum power current Ipm (A) | 7,9 |
| System Voltage (V DC) | 1000 |

Thermal coefficients and characteristics

| | |
|----------------------------|------------|
| α_{Pm} (%/°C) | -0,440 |
| α_{Isc} (%/°C) | 0,038 |
| α_{Voc} (%/°C) | -0,329 |
| Operating temperature (°C) | -40 to +90 |
| Storage temperature (°C) | -40 to +90 |
| Storage air humidity (%) | - |