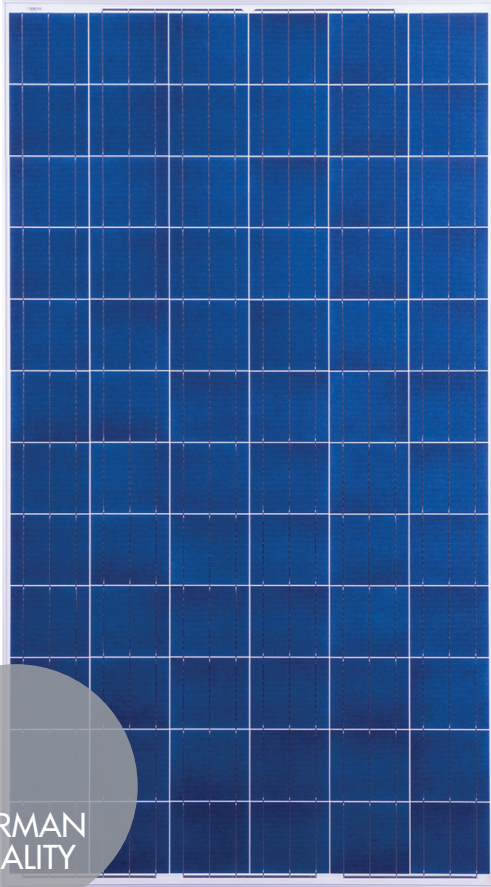


luxra PV 72-RP6-300-325



LUXRA SOLAR MODULES










LONG OPERATING LIFE – RELIABLE

Our Luxra Brand Solar PV Module production process is undertaken by a an accredited Manufacturer using State-of-the-Art Technology (Mayer Burger) and stringent quality control processes.

Thanks to their solid workmanship, Luxra modules are the best choice when it comes to durability and sturdiness. Our Luxra Module provides the highest quality standards and outstanding price performance ratio. Ideal for the professional investor requiring extended warranty and long life performance even under difficult climate conditions.

LUXRA HIGH PERFORMANCE

our solutions for professional investors

-  **POWER RANGE**
Plus-Sorting 0 to + 8,99Wp
-  **PID RESISTANT**
Potential Induced Degradation Free
-  **SALT MIST CORROSION RESISTANT**
Certified for salt rich environment
-  **SAND RESISTANT**
Certified for sand rich environment
-  **AMMONIA RESISTANT**
Certified for ammonia rich environment
-  **HIGH STRENGTHENED DESIGN**
Maximum mechanical load 5400 Pa
-  **IP67 JUNCTION BOX**
Advanced water and dust proof level
-  **THEFT PROTECTION + LOGISTIC**
RFID protected and product tracking
-  **TAPED FRAME**
100 % silicon free
-  **DOCUMENTATION OF ORIGIN**
Certificate of origin proof
-  **MOTECH CELL**
high efficient A + grade
-  **5 BUSBAR CELL TECHNOLOGY**
Higher Efficiency and Lower Degredation
-  **16,3% HIGH EFFICIENCY**
Maximum yield in limited space
-  **SPECIAL PACKING**
against Micro Cracks
-  **100 % ELECTROLUMINESCENCE TEST**
three times assures quality analysis



Luxra PV 72-RP6-300-325

| GENERAL SPECIFICATIONS | | TECHNICAL DRAWING | | | | | |
|--|--|---|--------------------|--------------------|--------------------|--------------------|---|
| Number of cells | 72 | | | | | | |
| Module weight | 21.5 kg | | | | | | |
| Module dimensions | 1957 x 990 x 40 mm | | | | | | |
| Cell type | Polycrystalline silicon | | | | | | |
| Front cover type | tempered glass, coated, 0.13 in (3.2 mm) thick | | | | | | |
| Frame material | Aluminium alloy | | | | | | |
| TEMPERATURE COEFFICIENTS | | | | | | | |
| Tc of Open Circuit Voltage (β) | -0.30% / °C | | | | | | |
| Tc of Short Circuit Current (α) | 0.05% / °C | | | | | | |
| Tc of Power (γ) | -0.40% / °C | | | | | | |
| Maximum System Voltage | 1000 V | | | | | | |
| NOCT | 45°C ± 2°C | | | | | | |
| Temperature Range | -40°C to + 85°C | | | | | | |
| TEMPERATURE SPECIFICATIONS (STC) | | Standard Test Conditions, which are defined as following: Radiant power of 1.000 W/m ² with a spectral density of AM 1,5 and cell temperature of 25°C. | | | | | CERTIFICATES |
| Nominal output P _{max} | 300 W _p | 305 W _p | 310 W _p | 315 W _p | 320 W _p | 325 W _p | Manufacturers audits and Certificates: Factory-audit: ISO 9001:2008 Products-certificates: IEC 61215, IEC 61730, IEC 61701, IEC 62716, TS 62804, UL Certified 1703 |
| Nominal voltage V _{mpp} | 36.52 V | 36.75 V | 36.86 V | 36.92 V | 37.20 V | 37.41 V | |
| Nominal current I _{mpp} | 8.22 A | 8.30 A | 8.41 A | 8.55 A | 8.61 A | 8.69 A | |
| Open circuit voltage V _{oc} | 45.65 V | 45.94 V | 46.08 V | 46.15 V | 46.23 V | 46.21 V | |
| Short circuit current I _{sc} | 8.56 A | 8.65 A | 8.76 A | 8.91 A | 9.06 A | 9.18 A | |
| Module efficiency (P _{nom}) % | 15.48% | 15.74% | 16.00 | 16.26% | 16.51% | 16.77% | |
| ELECTRICAL SPECIFICATIONS at NOCT | | NOCT irradiance 800 W/m ² ambient temperature 20°C, wind speed 1m/sec, tolerance ± 3% for electrical parameters at NOCT | | | | | |
| Power (W) | 218.72 | 222.37 | 226.01 | 229.66 | 233.30 | 236.95 | |
| V _{Pmax} (V) | 33.22 | 33.43 | 33.53 | 33.58 | 33.84 | 34.03 | |
| I _{Pmax} (A) | 6.93 | 7.01 | 7.1 | 7.22 | 7.34 | 7.44 | |
| V _{oc} (V) | 36.98 | 37.21 | 37.33 | 37.38 | 37.41 | 37.43 | |
| I _{sc} (A) | 7.58 | 7.65 | 7.75 | 7.88 | 7.94 | 8.01 | |
| ENVIRONMENTAL SPECIFICATIONS & MECHANICAL DATA | | IV CURVES | | | | | |
| Operating temperature | -40°C to + 85°C | | | | | | |
| Maximum permissible load | 5400 Pa | | | | | | |
| Performance tolerance | 0 – 8.99 W _p | | | | | | |
| Maximum permissible system voltage | DC 1000 V | | | | | | |
| Reverse current loadability (IR) | 15 A | | | | | | |
| Application class | A (safety class II) | | | | | | |
| Junction Box | IP67, 5 bypass diodes | | | | | | |
| Cable | 1000mm length cables (1200mm available on request) | | | | | | |
| Plug type | TYCO PV4 connectors (MC4-compatible) | | | | | | |
| WARRANTY AND CERTIFICATIONS | | | | | | | |
| Product warranty | 10 years limited warranty on product quality | | | | | | |
| Performance guarantee | 10 years on 90% of the rated output, 25 years on 80% of the rated output | | | | | | |
| PACKAGING INFORMATION | | | | | | | |
| Container | 20'GP | 40'GP | | | | | |
| Pallets/Container | 26 | 26 | | | | | |
| Pieces/Container | 260 | 616 | | | | | |

Datasheet applicable for: PV 72-RP6-XXX (where XXX = 300 – 325).
 No responsibility is taken for the correctness of information. We reserve the right to make technical changes. Correct as of June 2017.