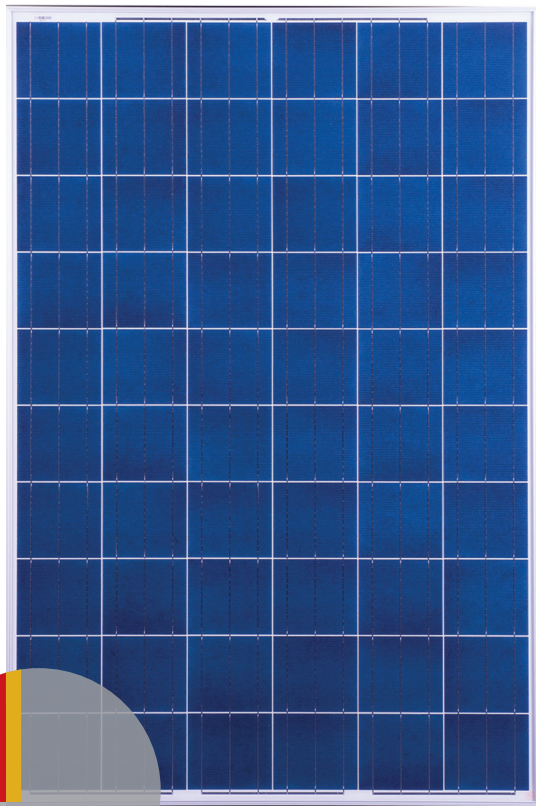


# luxra PV 60-RP6-250-270



## 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 60-RP6-250-270

GENERAL SPECIFICATIONS		TECHNICAL DRAWING				
Number of cells	60					
Module weight	18 kg					
Module dimensions	1640 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 ( $\beta$ )	-0.30% / °C					
Tc of Short Circuit Current ( $\alpha$ )	0.05% / °C					
Tc of Power ( $\gamma$ )	-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 <sup>2</sup> with a spectral density of AM 1,5 and cell temperature of 25°C.				CERTIFICATES
Nominal output P <sub>max</sub>	250 Wp	255 Wp	260 Wp	265 Wp	270 Wp	<b>Manufacturers audits and Certificates:</b>  <b>Factory-audit:</b> ISO 9001:2008  <b>Products-certificates:</b> IEC 61215, IEC 61730, IEC 61701, IEC 62716, TS 62804, UL Certified 1703
Nominal voltage V <sub>mpp</sub>	30.43 V	30.62 V	30.72 V	30.77 V	30.95 V	
Nominal current I <sub>mpp</sub>	8.22 A	8.34 A	8.47 A	8.63 A	8.73 A	
Open circuit voltage V <sub>oc</sub>	38.04 V	38.28 V	38.40 V	38.46 V	38.70 V	
Short circuit current I <sub>sc</sub>	8.56 A	8.69 A	8.82 A	8.99 A	9.12 A	
Module efficiency (P <sub>nom</sub> ) %	15.40%	15.71%	16.01	16.32%	16.63%	
ELECTRICAL SPECIFICATIONS at NOCT		NOCT irradiance 800 W/m <sup>2</sup> ambient temperature 20°C, wind speed 1m/sec, tolerance ± 3% for electrical parameters at NOCT				
Power (W)	182.27	185.91	189.56	193.21	196.85	
V <sub>Pmax</sub> (V)	27.68	27.85	27.94	27.99	28.15	
I <sub>Pmax</sub> (A)	6.93	7.04	7.14	7.28	7.38	
V <sub>oc</sub> (V)	30.81	31.01	31.11	31.15	31.34	
I <sub>sc</sub> (A)	7.58	7.69	7.81	7.95	8,04	
ENVIRONMENTAL SPECIFICATIONS & MECHANICAL DATA		IV CURVES				
Operating temperature	-40°C to + 85°C					
Maximum permissible load	5400 Pa					
Performance tolerance	0 – 8.99 Wp					
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	336	784				

Datasheet applicable for: PV 60-RP6-XXX (where XXX = 250 – 270)

No responsibility is taken for the correctness of information. We reserve the right to make technical changes. Correct as of June 2017.