

AU410-27V-MHB

## MONOCRYSTALLINE PANEL

P-Type FULL BLACK technology

POWER  
**410W**

CELL SIZE  
**182\*91mm**

85% linear production guaranteed

**30 YEARS**

10BB Busbar



**CLASS I**  
OF REACTION TO FIRE



### JUNCTION BOX

Degree of protection: IP67  
Security level: Class II  
Maximum system voltage: 1500 V Effectively withstands aggressive environments Fire reaction class UNI9177: Class I



### FRAME

High resistance to mechanical load, up to 5400 Pa.  
Anodic oxidation layer for improved resistance to chemical corrosion.

FRONT PANEL  
Unit of measurement:mm

### HALF-CUT TECHNOLOGY

New circuit design, lower internal current and lower leakage



### AVOIDS THE HEAT SPOT

The unique circuit design significantly reduces the heat spot temperature, so that power loss is reduced and module output is increased.



### LOWEST COST

Increased energy generation can reduce the cost per kWh

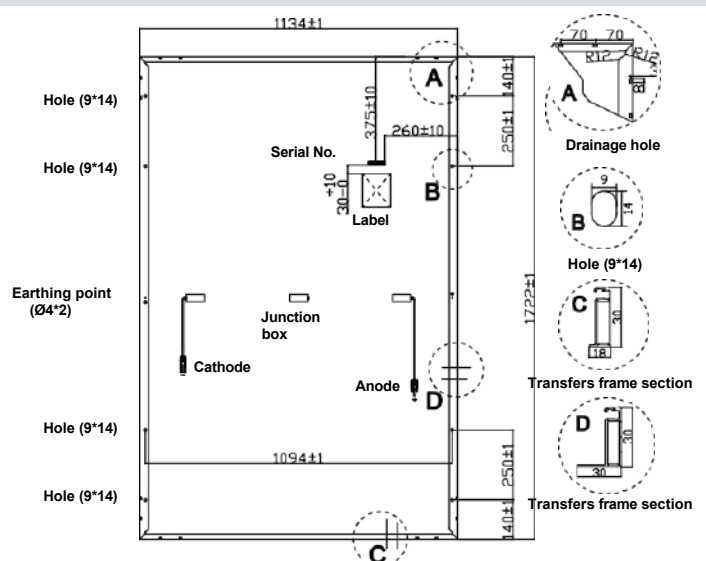
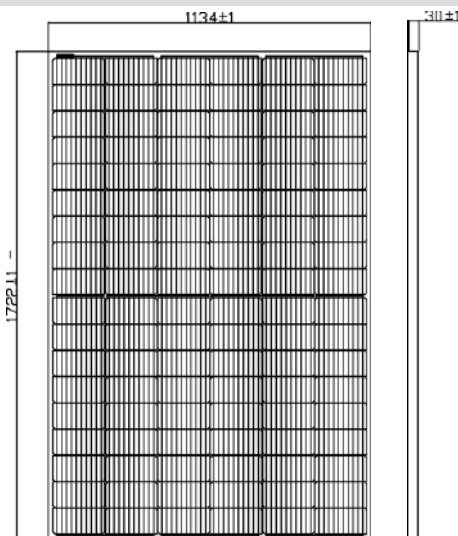


### EXCELLENT PID RESISTANCE PERFORMANCE

PID (potential-induced degradation) resistance performance exceeded the TUV Nord standard.



### REAR PANEL



ELECTRICAL DATA	AU410-27V-MHB
PEAK POWER (P <sub>MAX</sub> )	410.00
VOLTAGE IN THE MPP (V <sub>MP</sub> )	31.46
CURRENT IN THE MPP (I <sub>MP</sub> )	13.04
NO-LOAD VOLTAGE (V <sub>OC</sub> )	37.45± 3%
SHORT-CIRCUIT CURRENT (I <sub>SC</sub> )	13.85± 3%
EFFICIENCY (%)	20.97

STC: radiation 1000W/m<sup>2</sup> , AM 1.5 and cell temperature of 25°C

OPERATING AND SYSTEM INTEGRATION TEMPERATURES	AU410-27V-MHB
MAXIMUM SYSTEM VOLTAGE (V)	1500V
MAXIMUM REVERSE CURRENT (A)	25A
TOLERANCE	0~+3W
TEMPERATURE COEFFICIENT P <sub>MAX</sub> (W/°C)	-0.350%/°C
TEMPERATURE COEFFICIENT V <sub>OC</sub> (V/°C)	-0.285%/°C
TEMPERATURE COEFFICIENT I <sub>SC</sub> (A/°C)	+0.045%/°C
NOCT NOMINAL OPERATING CELL TEMPERATURE (°C)	45±2°C
PERMISSIBLE MODULE TEMPERATURE (°C)	-40~+85°C

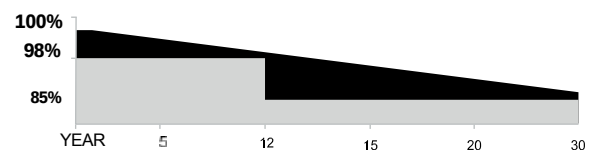
MECHANICAL SPECIFICATIONS	AU410-27V-MHB
CELL TYPE	182*91 P Type Mono
CELL NUMBER	108(12*9)
PANEL DIMENSIONS	1722*1134*30mm
PANEL WEIGHT	21.5kg
TOP GLASS	3.2mm high transmittance, low metal content, toughened glass
FRAME	Anodised aluminium alloy
JUNCTION BOX	IP68 3 by-pass diodes
CABLE	4 mm <sup>2</sup> , 55 cm cable (including MC4 connector)
WIND LOAD/SNOW LOAD	2400Pa / 5400Pa

## CERTIFICATES



• IEC61215 / • IEC61730

## WARRANTY



**30 YEARS** Linear production guarantee 85% power