

AU430-27V-MHB

## MONOCRYSTALLINE PANEL

N-Type FULL BLACK technology

POWER  
**430W**

CELL SIZE  
**182\*91mm**

Linear  
production  
guarantee  
power 87.4%

**30**  
YEARS

16BB  
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

### SMBB TECHNOLOGY

Increased current output and module reliability.



### PID RESISTANCE

Excellent Anti-PID performance guarantee thanks to optimised  
processes, production materials and mass controls.



### RESISTANCE TO EXTREME ENVIRONMENTAL CONDITIONS

High resistance salt spray and ammonia.

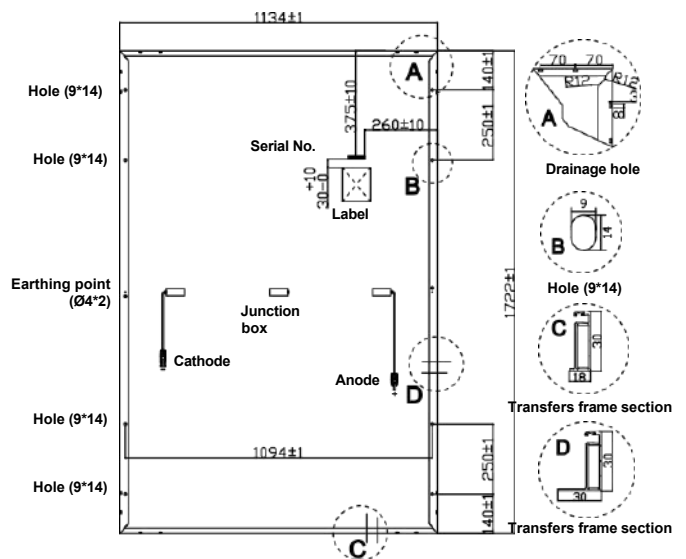
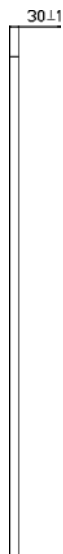
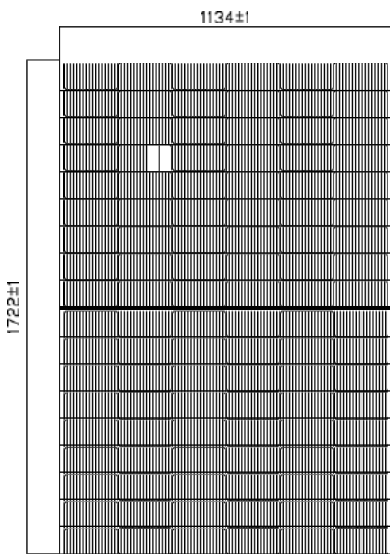


### ENHANCED MECHANICAL LOAD

Certified to withstand: wind load  
(2400 Pascal) snow load (5400  
Pascal)



### BACK PANEL



ELECTRICAL DATA	AU430-27V-MHB
PEAK POWER (P <sub>MAX</sub> )	430.00
VOLTAGE IN THE MPP (V <sub>MPP</sub> )	31.88
CURRENT IN THE MPP (I <sub>MPP</sub> )	13.49
NO-LOAD VOLTAGE (V <sub>OC</sub> )	38.49± 3%
SHORT-CIRCUIT CURRENT (I <sub>SC</sub> )	14.23
EFFICIENCY (%)	22.02

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

OPERATING AND SYSTEM INTEGRATION TEMPERATURES	AU430-27V-MHB
MAXIMUM SYSTEM VOLTAGE (V)	1500V
MAXIMUM REVERSE CURRENT (A)	25A
TOLERANCE	0~+3W
TEMPERATURE COEFFICIENT P <sub>MAX</sub> (W/°C)	-0.300%/°C
TEMPERATURE COEFFICIENT V <sub>OC</sub> (V/°C)	-0.250%/°C
TEMPERATURE COEFFICIENT I <sub>SC</sub> (A/°C)	+0.046%/°C
NOCT NOMINAL OPERATING CELL TEMPERATURE (°C)	45±2°C
PERMISSIBLE MODULE TEMPERATURE (°C)	-40~+85°C

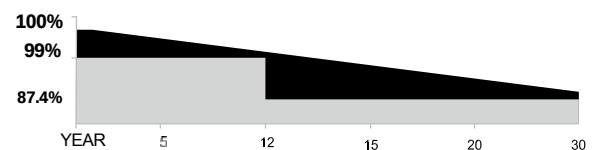
MECHANICAL SPECIFICATIONS	AU430-27V-MHB
CELL TYPE	182*91 P Type Mono
CELL NUMBER	108(12*9)
PANEL DIMENSIONS	1722*1134*30mm
PANEL WEIGHT	21.5kg
TOP GLASS	3.2mm high transmittance, low metal content, toughened glass
FRAME	Anodised aluminium alloy
JUNCTION BOX	IP67 3 by-pass diodes
CABLE	4 mm <sup>2</sup> , 35 cm cable (including MC4 connector)
WIND LOAD/SNOW LOAD	2400Pa / 5400Pa

## CERTIFICATES



• IEC61215 / • IEC61730

## WARRANTY



**30 YEARS** Linear production guarantee  
87.4% power