

AU410-27V-MH

MONOCRYSTALLINE PANEL

P-Type 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

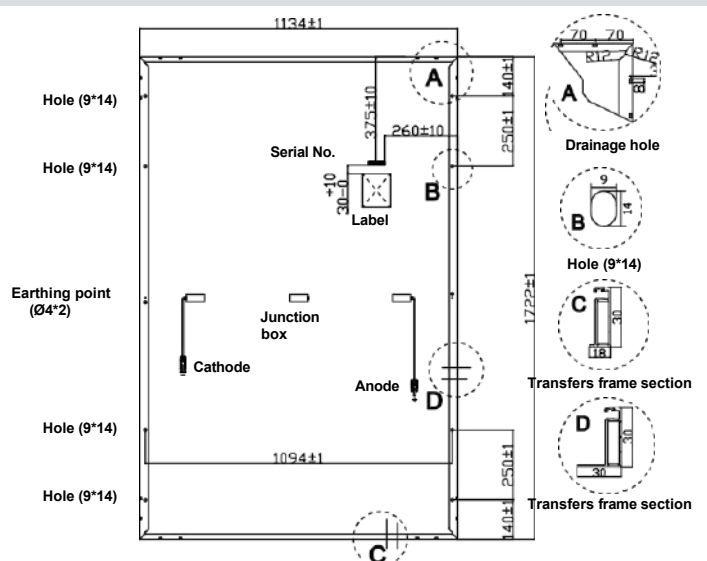
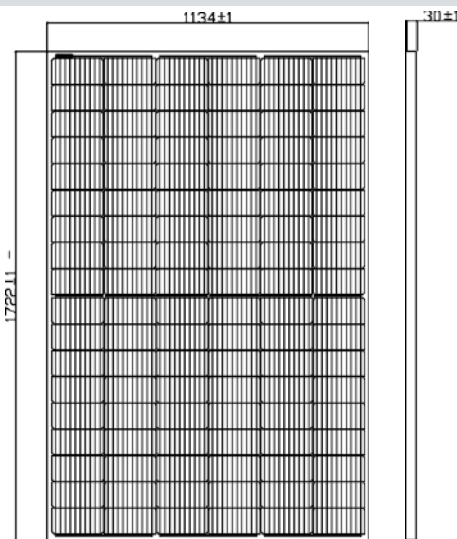


EXCELLENT PID RESISTANCE PERFORMANCE

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



REAR PANEL



ELECTRICAL DATA	AU410-27V-MH
PEAK POWER (P _{MAX})	410.00
VOLTAGE IN THE MPP (V _{MPP})	31.46
CURRENT IN THE MPP (I _{MPP})	13.04
NO-LOAD VOLTAGE (V _{OC})	37.45± 3%
SHORT-CIRCUIT CURRENT (I _{SC})	13.85± 3%
EFFICIENCY (%)	20.97

STC: radiation 1000W/m² , AM 1.5 and cell temperature of 25°C

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

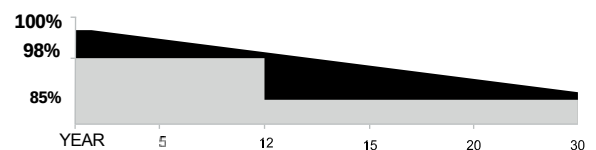
MECHANICAL SPECIFICATIONS	AU410-27V-MH
CELL TYPE	182*91 P Type Mono
CELL NUMBER	108(12*9)
PANEL DIMENSIONS	1722*1134*30mm
PANEL WEIGHT	21.5kg
TOP GLASS	3.2mm high transmittance, low metal content, toughened glass
FRAME	Anodised aluminium alloy
JUNCTION BOX	IP68 3 by-pass diodes
CABLE	4 mm ² , 55 cm cable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

CERTIFICATES



• IEC61215 / • IEC61730

WARRANTY



30
YEARS

Linear production guarantee
85% power