

ODA590-36V-MH

MONOCRYSTALLINE PANEL

N-Type technology

POWER

590W

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: IP68
Security level: Class II
Maximum system voltage: 1500 V Effectively
withstands aggressive environments Fire reaction
class UNI9177: Class II



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

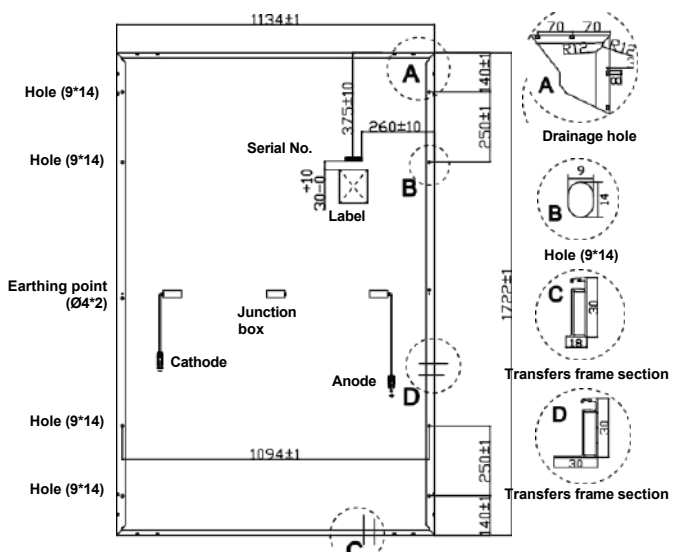
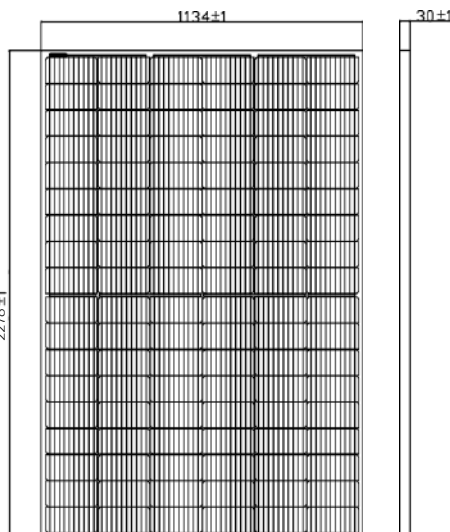
High resistance salt spray and ammonia.

ENHANCED MECHANICAL LOAD

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



BACK PANEL



ELECTRICAL DATA	ODA590-36V-MH
PEAK POWER (P _{MAX})	590.00
VOLTAGE IN THE MPP (V _{MP})	42.67
CURRENT IN THE MPP (I _{MP})	13.83
NO-LOAD VOLTAGE (V _{OC})	51.30± 3%
SHORT-CIRCUIT CURRENT (I _{SC})	14.63± 3%
EFFICIENCY (%)	22.83

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

OPERATING AND SYSTEM INTEGRATION TEMPERATURES	ODA590-36V-MH
MAXIMUM SYSTEM VOLTAGE (V)	1500V
MAXIMUM REVERSE CURRENT (A)	25A
TOLERANCE	0~+3W
TEMPERATURE COEFFICIENT P _{MAX} (W/°C)	-0.300%/°C
TEMPERATURE COEFFICIENT V _{OC} (V/°C)	-0.260%/°C
TEMPERATURE COEFFICIENT I _{SC} (A/°C)	+0.047%/°C
NOCT NOMINAL OPERATING CELL TEMPERATURE (°C)	45±2°C
PERMISSIBLE MODULE TEMPERATURE (°C)	-40~+85°C

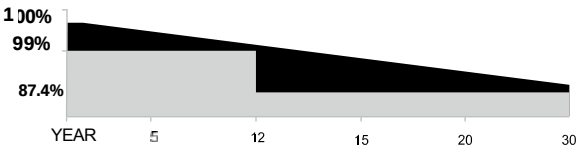
MECHANICAL SPECIFICATIONS	ODA590-36V-MH
CELL TYPE	182*91 n Type Mono
CELL NUMBER	144(12*12)
PANEL DIMENSIONS	2278*1134*30mm
PANEL WEIGHT	27.40kg
TOP GLASS	3.2mm high transmittance, low metal content, toughened glass
FRAME	Anodised aluminium alloy
JUNCTION BOX	IP67/IP68 3 by-pass diodes
CABLE	4 mm ² , 35 cm cable (including MC4 connector)
WIND LOAD/SNOW LOAD	2400Pa / 5400Pa

CERTIFICATES



• IEC61215 / • IEC61730

WARRANTY



30 YEARS Linear production guarantee
85% power