

ODA-144MHD

Dual glass mono half-cut module



New circuit design,
lower internal current and
lower internal resistance loss



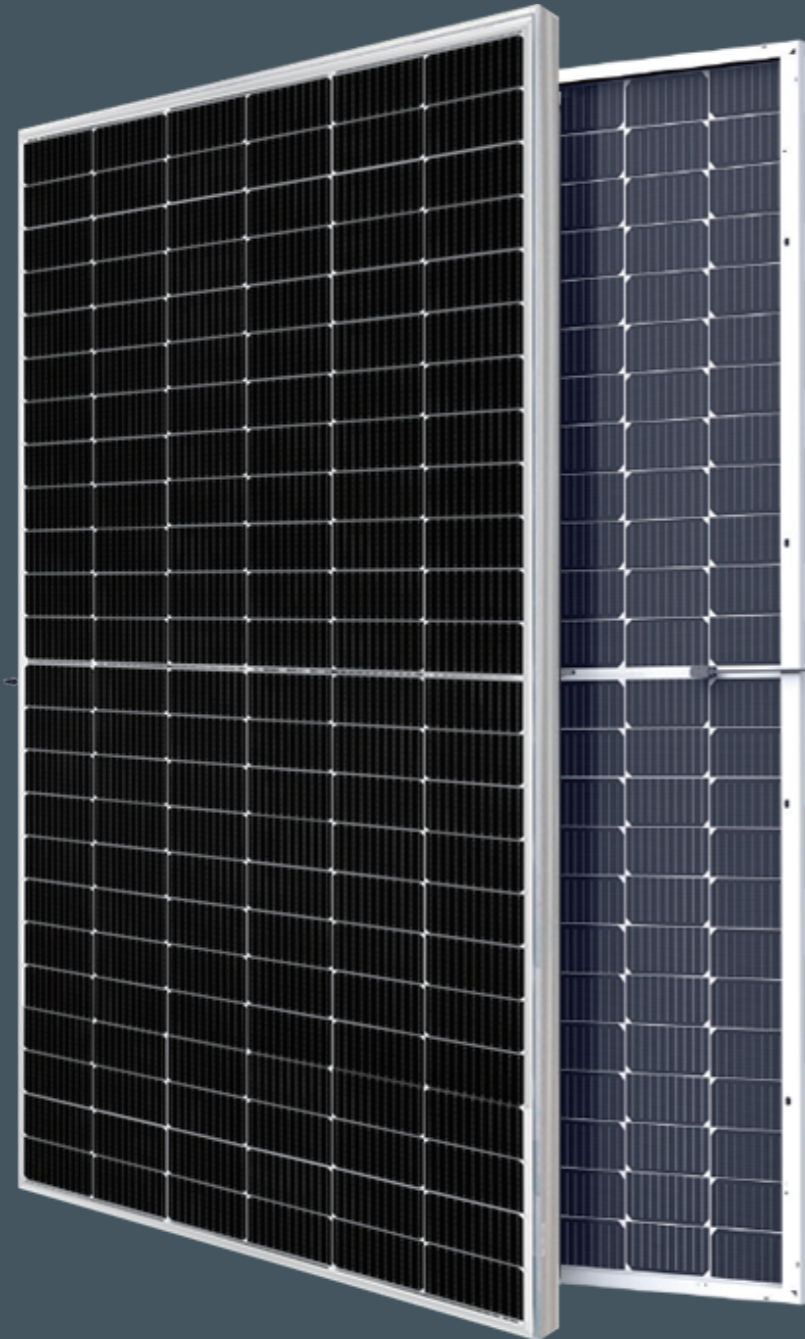
The unique circuit design to
reduce the temperature
of heat spot significantly, so that to
reduce the power loss
and then increase the output of modules.



Increasing power generation can
reduce the cost per kilowatt-hour



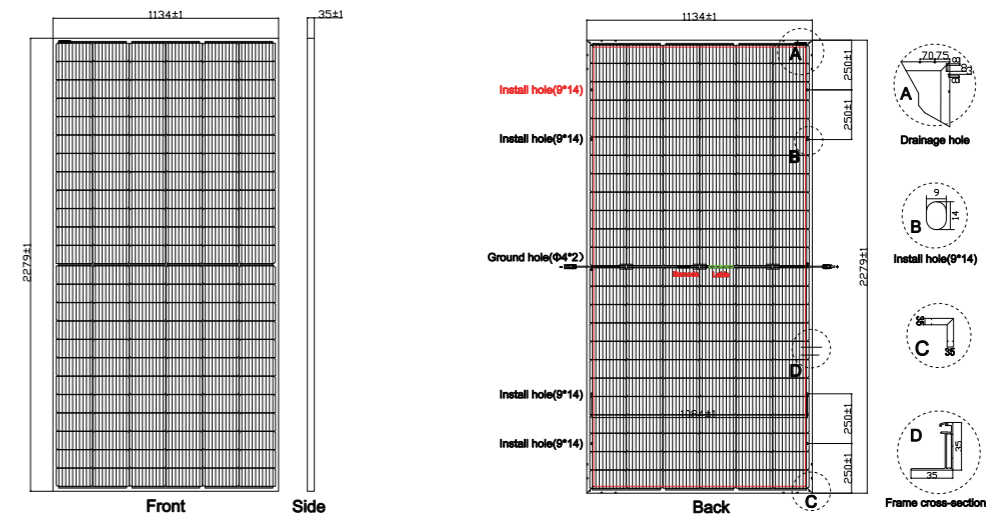
Industry standard anti-PID (potential
induced decay) by TUV
North Germany



530-550W

182*91mm

Unit:mm



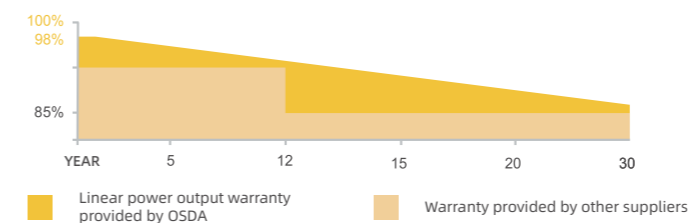
SPECIFICATIONS

Item No.	ODA530-36V-MHD	ODA535-36V-MHD	ODA540-36V-MHD	ODA545-36V-MHD	ODA550-36V-MHD
Nominal peak power (W)	530.00	535.00	540.00	545.00	550.00
Voltage at nominal peak power (V)	41.44	41.60	41.76	41.93	42.10
Current at nominal peak power (A)	12.79	12.84	12.93	13.00	13.06
Open-circuit voltage(V)	49.30±3%	49.50±3%	49.70±3%	49.90±3%	50.10±3%
Short-circuit current(A)	13.65±3%	13.74±3%	13.83±3%	13.92±3%	14.01±3%
Module efficiency(%)	20.50	20.70	20.89	21.08	21.28
Power tolerance			0~+3%		
Pmax temperature coefficient			-0.350%		
Voc Temperature Coefficient			-0.285%		
Isc Temperature Coefficient			+0.045%		
NOCT Nominal Operating Cell Temperature			47±2		
Operating and Storage Temperature			-40~+85		
Standard test condition(STC)			1000W/m ² , AM1.5;25+/-2°C		

MECHANICAL CHARACTERISTICS AND PACKING

Solar cell type	182*91 (Mono/Black Mono)
No. of cells	144 (12*12)
Dimension(mm)	2279*1134*35
Weight	32.20
Front glass(mm)	2.0mm coated high-transparent tempered glass
Back glass(mm)	2.0mm high-transparent glass
Frame	Silver/Black anodized aluminium profile
Maximum system voltage	1500
Maximum Series Fuse Rating Current (A)	30
Junction box	IP67 /IP68 3diodes
Output cable	4mm ² cable*55cm (Including MC4 connector)
Max wind load/snow load	2400Pa/5400Pa
20GP container	5 Packages/155pcs
40HQ container	20 Packages/620pcs

Warranty



12 YEAR 12 years warranty on product material and workmanship

30 YEAR 30 years warranty on linear power output