



M10 HALF CELL MONO

530W-550W

30 years French warranty

144 CELL

MBB MONO PERC

530W-550W

POWER OUTPUT RANGE

21.3%

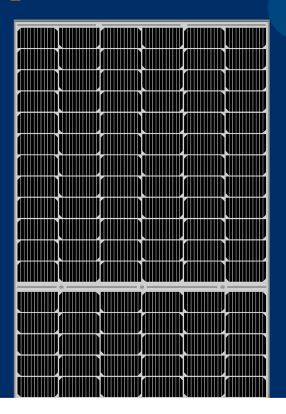
MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE

French Quality Standards

Black frame and full black available on demand





Higher Output of Power

Effectively reduce the unit cost of PV solar system by watt



Improve the performance under the condition of shadow and low temperature coefficient





Reduce the shadow loss on the power output

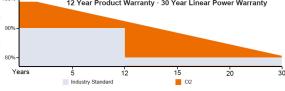
Effectively reduce the risk of heat spot on high efficiency

Strengthen the physical properties

Optimize the property of power generating and reliability of the system













O2 Solar is a registered trademark of Solar Distribution – 106 Villeneuve, Landeronde, France – VAT: FR10 504 462 144







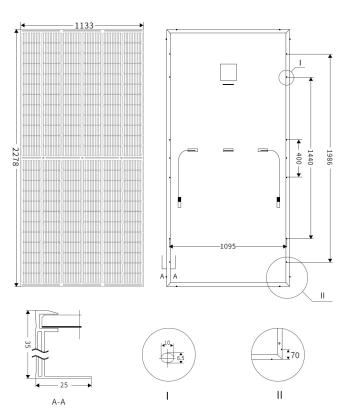




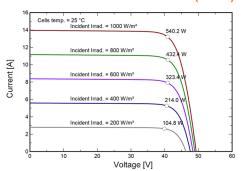
Module Type		O2-SM-53	0/144HC	O2-SM-5	35/144HC	O2-SM-5	40/144HC	O2-SM-54	45/144HC	O2-SM-	-550/144HC
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	PMAX(W)	530	394.44	535	398.16	540	401.88	545	405.61	550	409.33
Maximum Power Voltage	VMPP(V)	40.47	37.65	40.6	37.77	40.73	37.89	40.86	38.02	40.99	38.14
Maximum Power Current	Impp(A)	13.1	10.48	13.18	10.54	13.26	10.6	13.34	10.67	13.42	10.73
Open Circuit Voltage	Voc(V)	49.02	46.27	49.18	46.43	49.34	46.58	49.5	46.73	49.65	46.87
Short Circuit Current	Isc(A)	13.79	11.14	13.87	11.2	13.96	11.27	14.04	11.34	14.13	11.41
Tolerance	(W)	0 -	+5	0 -	+5	0	- +5	0 -	+5	0	- +5
Module Efficiency	(%)	20.5		20.7		20.9		21.1		21.3	

 $STC: Irradiance\ 1000\ W/m^2, Cell\ Temperature\ 25^\circ C, Air\ Mass\ AM1.5\ according\ to\ EN\ 60904-3.$ Average efficiency reduction of 4.5% at 200W/m $^{\!\scriptscriptstyle 2}$ according to EN 60904-1 NOCT: Irradiance at 800 W/m 2 ,Ambient Temperature 20 $^{\circ}$ C,Wind Speed 1m/s.

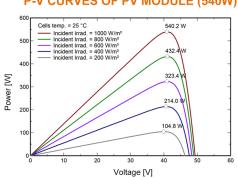
DIMENSIONS OF PV MODULE



I-V CURVES OF PV MODULE (540W)



P-V CURVES OF PV MODULE (540W)



MECHANICAL DATA			TEMPERATURE RATINGS			
Solar Cells	MBB Mono PERC	182 x 91mm	Nominal Operating Cell Temperature(NOCT)	45±2℃		
Cell Orientation	144 cells (6 x 24)		Temperature Coefficient of PMAX	-0.348%/°C		
Module Dimensions	2278 x 1133 x 35m	nm	Temperature Coefficient of Voc	-0.282%/°C		
Weight	28kg		Temperature Coefficient of Isc	+0.05%/℃		
Glass	High Transparency	Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm	MAXIMUN RATING			
Backsheet	White		Operational Temperature	-40 to +85°C		
Frame	Silver Anodized Al	uminium Alloy(Black Available)	Maximum System Voltage	1500V DC		
J-Box	IP 68 rated		Max Series Fuse Rating	25A		
Cables	Photovoltaic Techr	nology cable 4.0mm²,350mm	Mechanical Load	5400pa		
Connector	EVO2 or EVO2 Co	mpatible	Wind Load	2400ра		
PACKGING CONFIGURATION		Modules per box:31 pieces	Modules per 40'container:620 pieces			

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