ECO DELTA High Efficiency 5BB Monocrystalline PV Module

ECO-295-310M-60 ULTRA BLACK





REAL ULTRA BLACK

Black film covering ribbon and hidden converge ribbon to achieve real ultra black.



Higher Module Efficiency

Brings 0-+3W positive tolerance on label rating power provides higher Kwh



INNOVATIVE PERC CELL TECHNOLOGY

Excellent cell efficiency and output.



REDUCE SHADOW LOSS

Effectively reduces the effect of shadow on the module surface.



REDUCE INTERNAL MISMATCH LOSS

Reduces mismatch loss and improves output.



PASSED HAIL TEST

Certified to hail resistence: ice ball size (d=45mm) and ice ball velocity (v=30.7m/s).

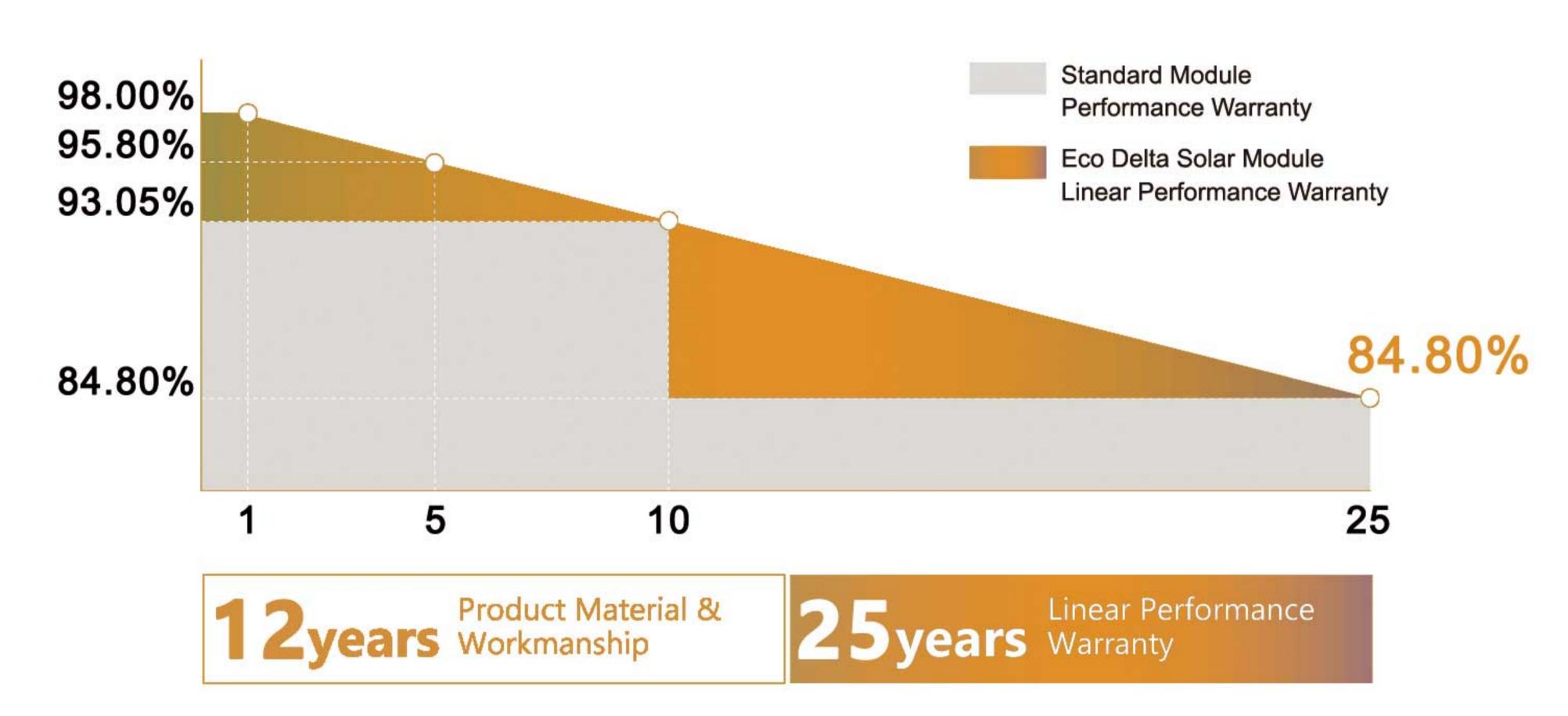


PID RESISTANCE

Excellent PID resistance at 96 hours (@85°C/85%) test, and also can be improved to meet higher standards for the particularly harsh environment



LINEAR PERFORMANCE WARRANTY



QUALITY WARRANTY

Eco Delta guarantees that defects will not appear in materials and workmanship defined by IEC61215 or IEC61730 under normal installation, use and maintenance as specified in Eco Delta's installation manual for 12 years from the warranty starting date.

ISO9001 ISO14001 OHSAS18001

















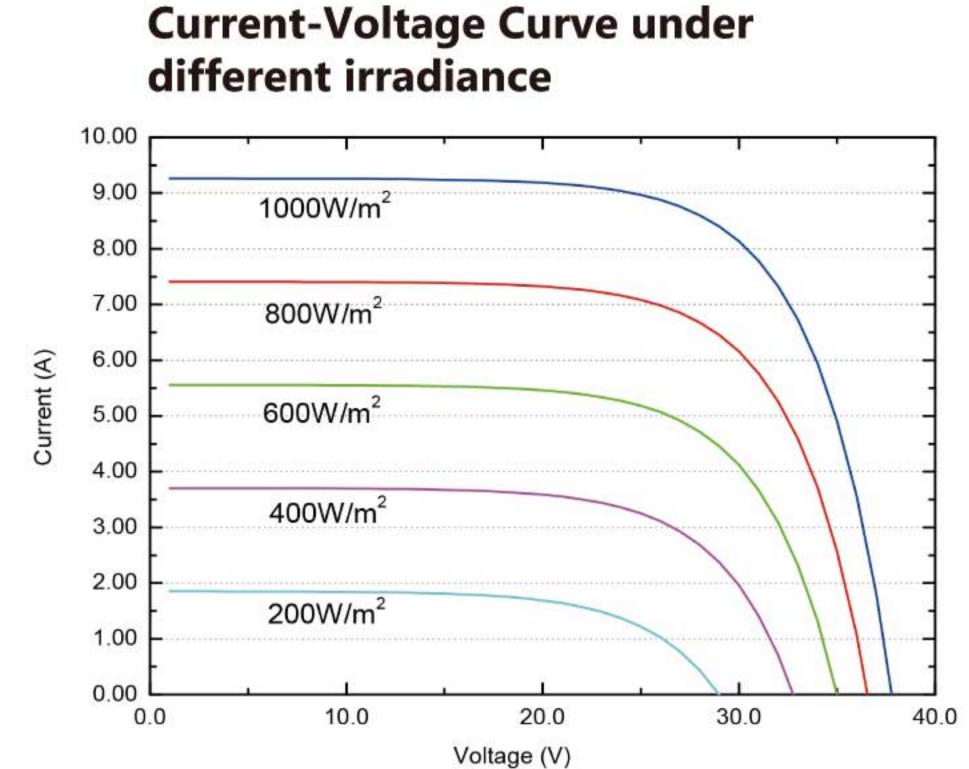


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ELECTRICAL DATA @ STC		ECO-295M-60 UltraBlack	ECO-300M-60 UltraBlack	ECO-305M-60 UltraBlack	ECO-310M-60 UltraBlack
Peak Power(Pmax)	(W)	295	300	305	310
Maximum Power Voltage (Vmp)	(V)	32.50	32.60	32.90	33.10
Maximum Power Current(Imp)	(A)	9.08	9.19	9.28	9.37
Open-circuit Voltage (Voc)	(V)	39.60	39.80	40.00	40.20
Short-circuit Current(Isc)	(A)	9.68	9.77	9.85	9.91
Module Efficiency	(%)	18.00	18.30	18.60	18.90
Operating Temperature			-40°C	~+85°C	
Maximum System Voltage			□1000V	□1500V	
Maximum Series Fuse Rating		15A			
Power Telorance			0~	+3%	



^{*}STC (Standard Test Condition): Irradiance 1000W/ m², Module Temperature 25°C, AM 1.5

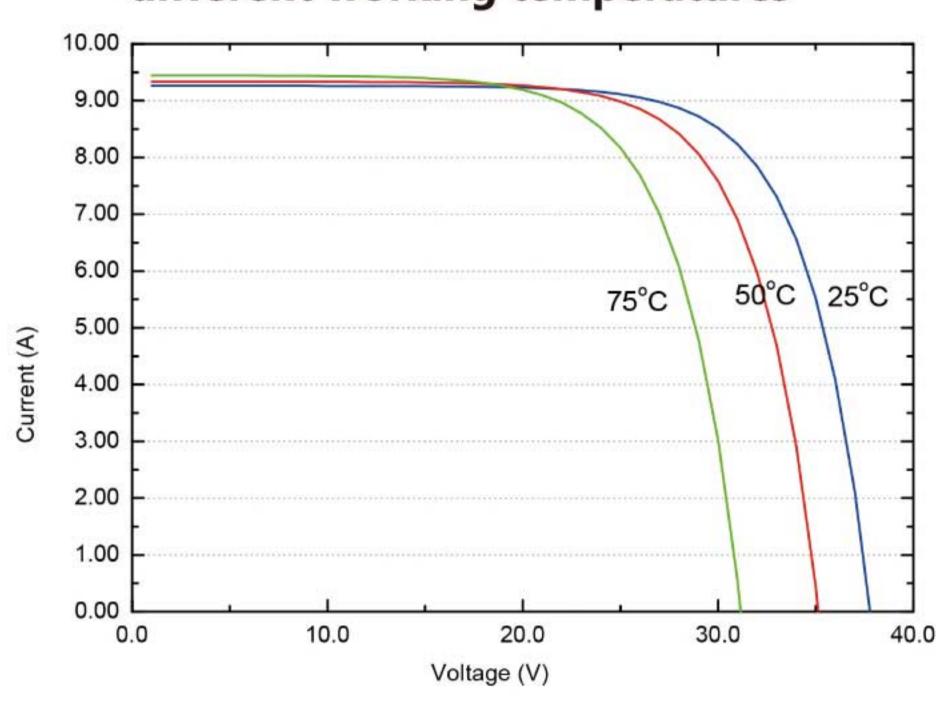
ELECTRICAL DATA @ NMOT		ECO-295M-60 UltraBlack	ECO-300M-60 UltraBlack	ECO-305M-60 UltraBlack	ECO-310M-60 UltraBlack
Peak Power(Pmax)	(W)	220	223	227	231
MPP Voltage (Vmp)	(V)	30.20	30.40	30.60	30.90
MPP Current(Imp)	(A)	7.28	7.35	7.42	7.49
Open Circuit Voltage (Voc)	(V)	36.90	37.10	37.30	37.50
Short Circuit Current(Isc)	(A)	7.71	7.78	7.84	7.91

^{*}Under Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

TEMPERATURE CHARACTERISTICS

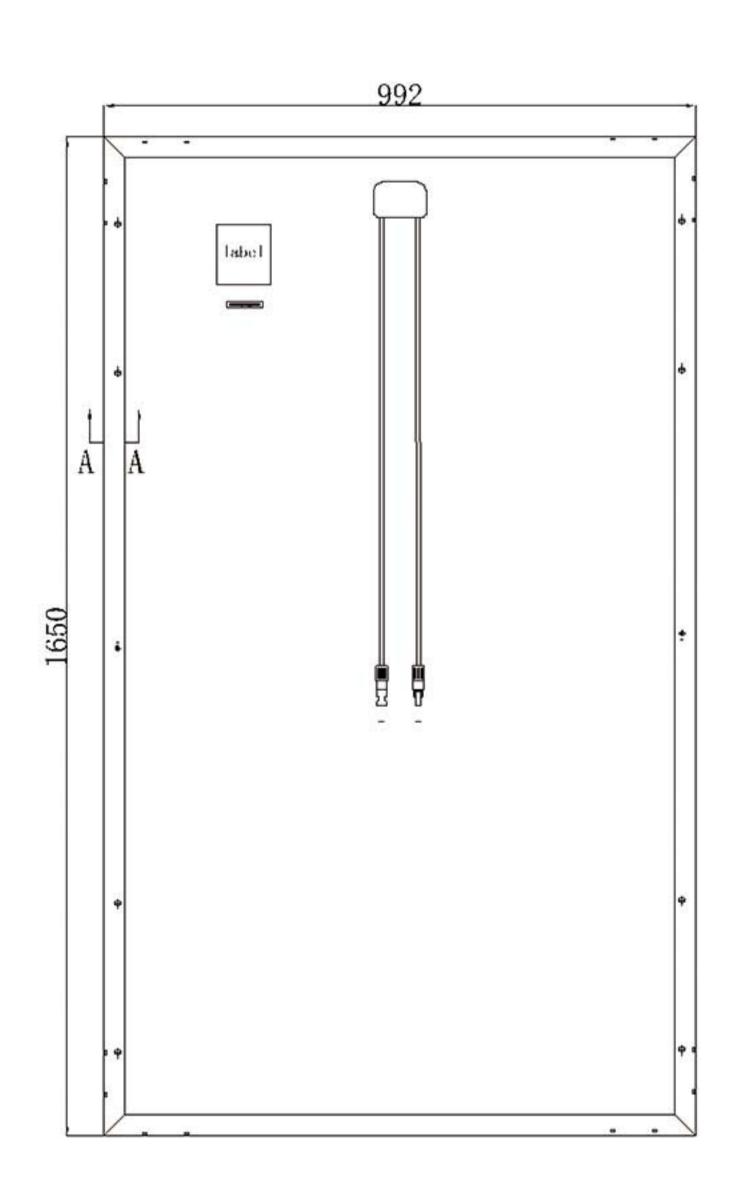
Temperature coefficient of Pmax	-0.36%/k	
Temperature coefficient of Voc	-0.26%/k	
Temperature coefficient of Isc	0.04%/k	
NMOT	41±3°C	





MECHNICAL DATA

Cell Type	Mono-Crystalline, 156.75*156.75mm	
Cell Arrangement	60pcs (6×10)	
Dimension (L×W×H)	1650×992×35mm	
Weight	18.0kg	
Front Cover	3.2mm Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP67, 3 Bypass Diodes	
Cable Type	4mm²	
Length of Cable	1000mm	
Connector	PV Connector	



PACKING MANNER

TAORING MARKET	
Packing Type	40'HQ
Piece/Pallet	30
Pallet/Container	28
Piece/Container	840

^{*}The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, ECO DELTA POWER CO., LTD Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the produccts described herein.

