ECO DELTA 12BB Monocrystalline Half-cut Cell PV Module

ECO-310-325/M-60HC(12BB)





Higher Module Efficiency

Brings 0-+3W Power gain due to half-cut producation system



INNOVATIONAL HALF-CELL TECHNOLOGY

Improves the module output, decreases the risk of mirco-crack, enhances the module reliability.



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).

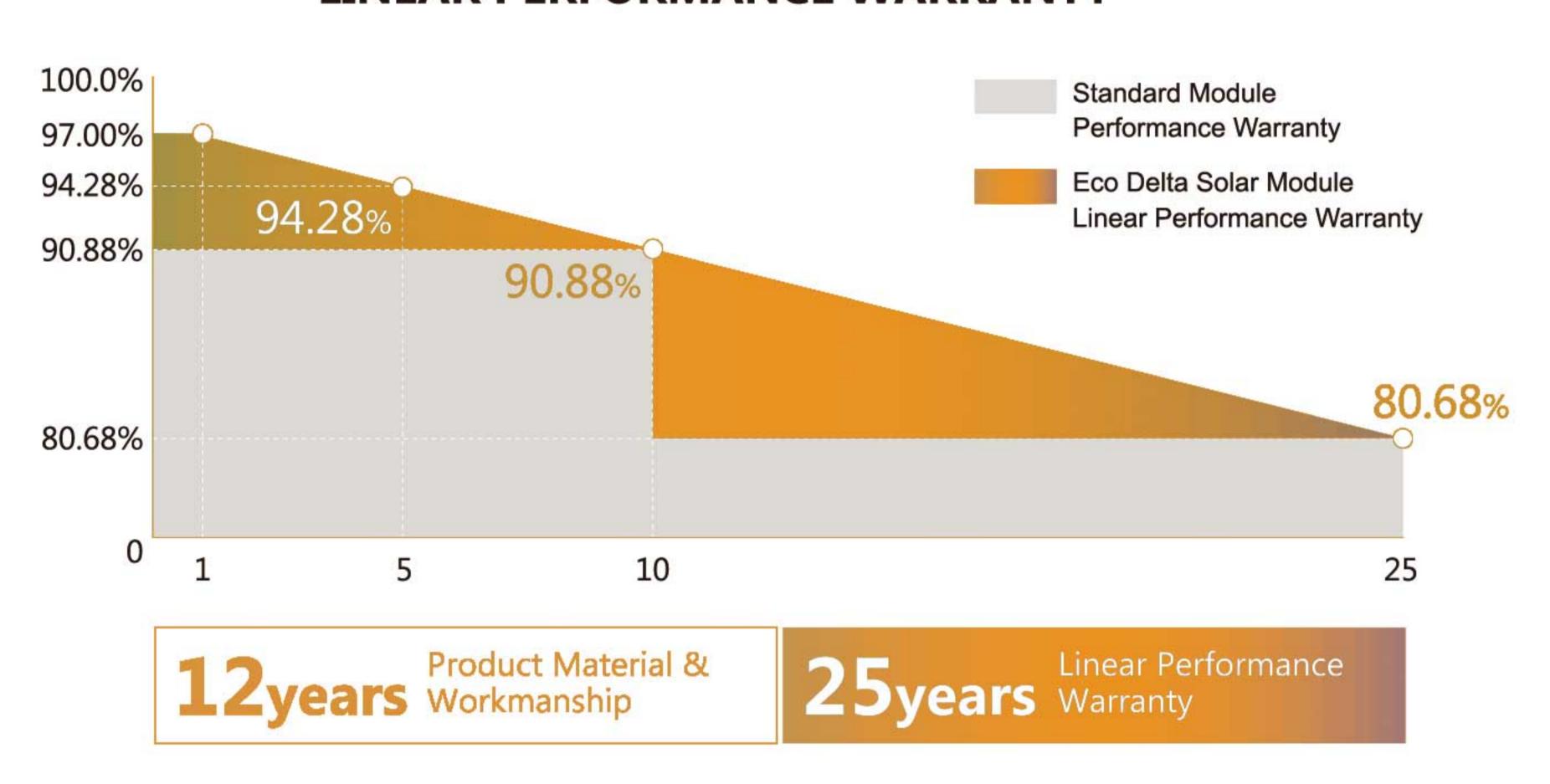


PID RESISTANCE

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













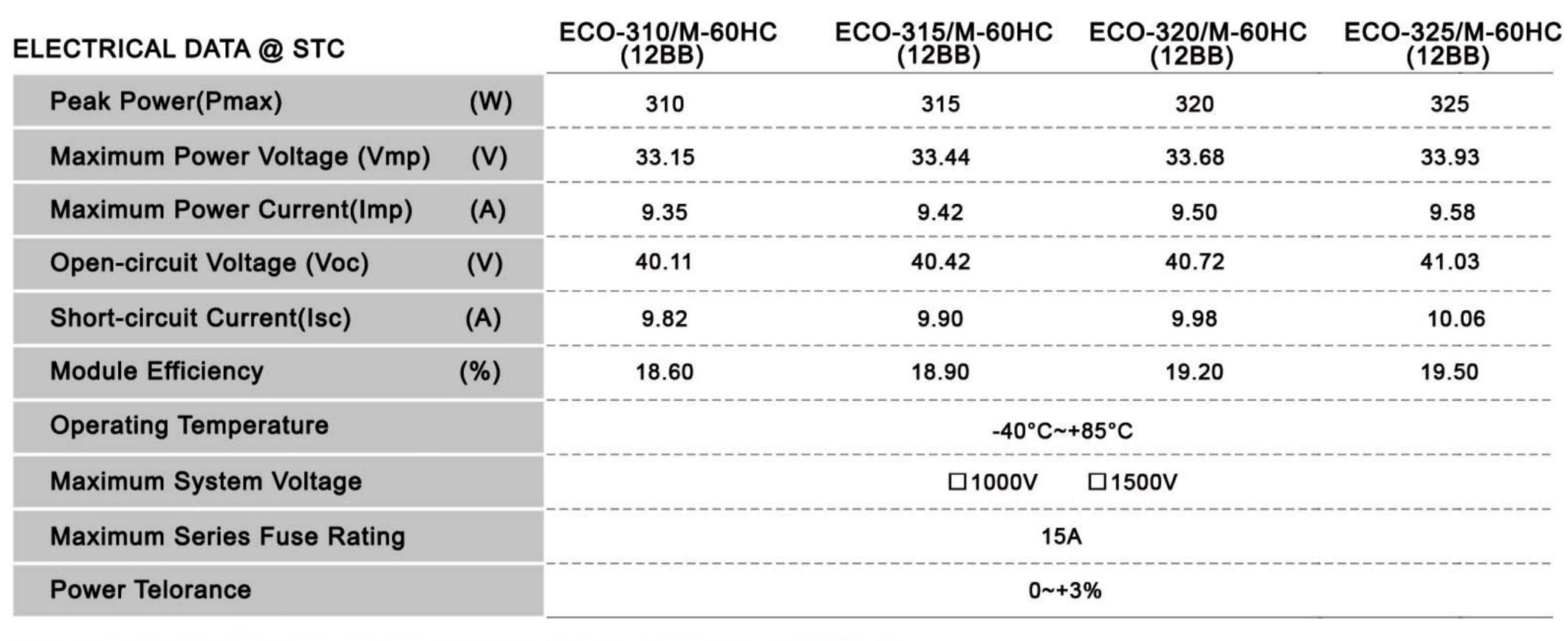






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^{*}STC (Standard Test Condition): Irradiance 1000W/ m², Module Temperature 25°C, AM 1.5

ELECTRICAL DATA @ NMOT		ECO-310/M-60HC (12BB)	ECO-315/M-60HC (12BB)	ECO-320/M-60HC (12BB)	ECO-325/M-60HC (12BB)
Peak Power(Pmax)	(W)	227	231	235	238
MPP Voltage (Vmp)	(V)	30.54	30.80	31.02	31.25
MPP Current(Imp)	(A)	7.46	7.52	7.58	7.64
Open Circuit Voltage (Voc)	(V)	37.21	37.50	37.77	38.06
Short Circuit Current(Isc)	(A)	7.90	7.96	8.03	8.09

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

TEMPERATURE CHARACTERISTICS

-0.38%
-0.31%
0.05%
41±3°C

MECHNICAL DATA

Cell Type	Mono-Crystalline, 156.75*78.38mm	
Cell Arrangement	120pcs (2(6×10))	
Dimension (L×W×H)	1675×992×35mm	
Weight	19.0kg	
Front Cover	3.2mm Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP67, 3 Bypass Diodes	
Cable Type	4mm²	
Length of Cable	1160mm	
Connector	PV Connector	

OPTIONAL

Frame	□Black		
Backsheet	□Black		
Connector	□Original MC4		
Cable	□300mm □1160mm		
Module Size	□Customized		

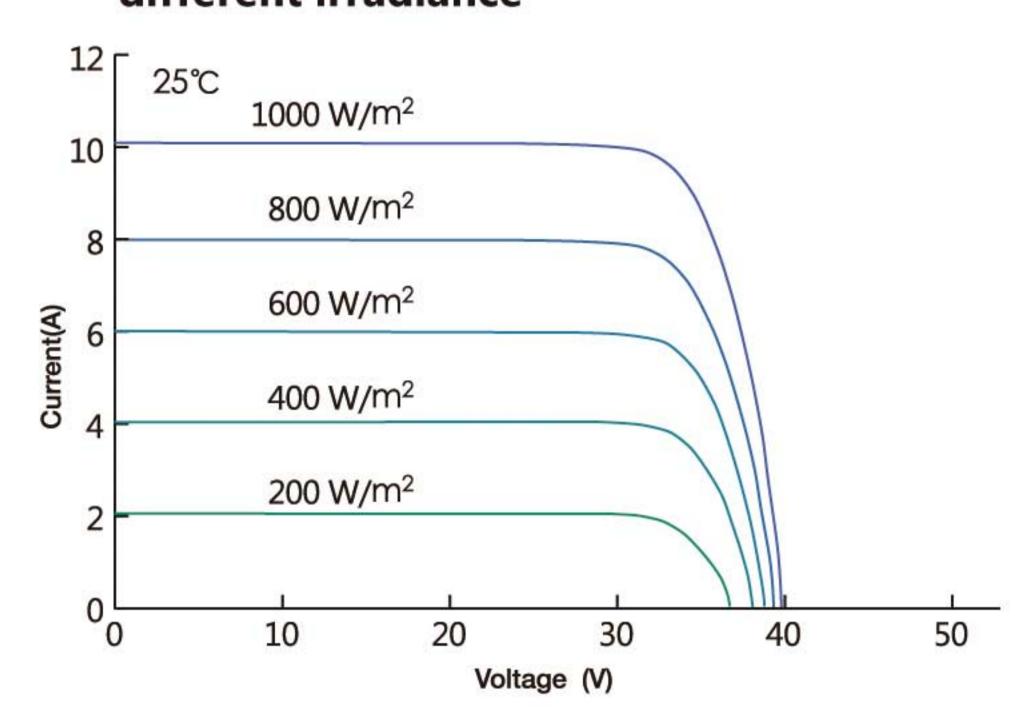
PACKING MANNER

Packing Type	40'HQ
Piece/Pallet	30
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.



Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

