

RAYS™

ECO DELTA

Newborn with Shingled module Technology

ECO-540-555M-58BSC



15 YEARS
PRODUCT MATERIAL &
WORKMANSHIP

25 YEARS 84.8%
LINEAR PERFORMANCE
WARRANTY

INNOVATIONAL
SHINGLED
MODULE
TECHNOLOGY

REDUCE SHADOW
LOSS **UP TO 35%**
COMPARING WITH
CONVENTIONAL
HALF CUT MODULE

REDUCE
INTERNAL
MISMATCH
LOSS

PASSED THREE
TIMES **IEC**
STANDARD TEST

PASSED HAIL
TEST (ICE BALL
SIZE : d=45mm)

ECO DELTA High Efficiency Mono SHINGLED MODULE

ECO-540-555M-58BSC

ELECTRICAL DATA @ STC

		ECO-540M-58 BSC	ECO-545M-58 BSC	ECO-550M-58 BSC	ECO-555M-58 BSC
Peak Power(Pmax)	(W)	540	545	550	555
Maximum Power Voltage (Vmp)	(V)	38.90	39.00	39.10	39.20
Maximum Power Current(Imp)	(A)	13.87	13.97	14.07	14.17
Open-circuit Voltage (Voc)	(V)	46.90	47.00	47.10	47.20
Short-circuit Current(Isc)	(A)	14.76	14.86	14.97	15.07
Module Efficiency	(%)	20.70	20.90	21.00	21.20
Operating Temperature		-40°C~+85°C			
Maximum System Voltage		□ 1500V			
Maximum Series Fuse Rating		25A			
Power Tolerance		0~5W			

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

*Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%

ELECTRICAL DATA @ NMOT

		ECO-540M-58 BSC	ECO-545M-58 BSC	ECO-550M-58 BSC	ECO-555M-58 BSC
Peak Power(Pmax)	(W)	407	410	414	418
MPP Voltage (Vmp)	(V)	37.10	37.20	37.30	37.35
MPP Current(Imp)	(A)	10.96	11.03	11.11	11.19
Open Circuit Voltage (Voc)	(V)	44.70	44.80	44.90	45.00
Short Circuit Current(Isc)	(A)	11.89	11.97	12.06	12.14

*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		-0.34%
Temperature coefficient of Voc		-0.27%
Temperature coefficient of Isc		0.04%
NMOT		43±2°C

MECHANICAL DATA

Cell Type		Mono, 210mm cut
Cell Arrangement		345pcs
Dimension (L×W×H)		2384×1096×35 mm
Weight		28.3kg
Front Cover		3.2mm Tempered Glass
Frame		Anodized Aluminium Alloy
Junction Box		IP68, 3 Bypass Diodes
Cable Type		4mm ²
Length of Cable		1400mm
Connector		PV Connector

OPTIONAL

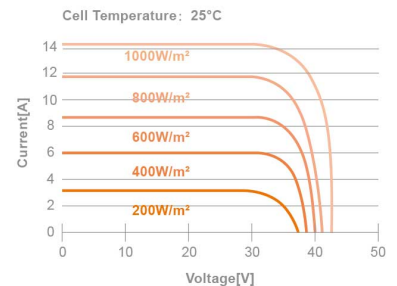
Frame		□ Black
Backsheet		□ Black
Connector		□ Original MC4
Cable		□ Customized
Junction Box		□ Customized

PACKING MANNER

Packing Type		40'HQ
Piece/Pallet		31
Piece/Container		620

*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 products described herein.

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

