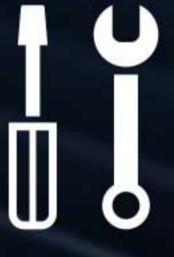




Newborn with Shingled module Technology

ECO-415M-60SBF













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

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

ECO DELTA High Efficiency Mono SHINGLED MODULE

ECO-415M-60SBF



ELECTRICAL DATA @ STC		ECO-415M-60 SBF
Peak Power(Pmax)	(W)	415
Maximum Power Voltage (Vmp)	(V)	38.90
Maximum Power Current(Imp)	(A)	10.67
Open-circuit Voltage (Voc)	(V)	46.70
Short-circuit Current(Isc)	(A)	11.12
Module Efficiency	(%)	21.20
Operating Temperature		-40°C~+85°C
Maximum System Voltage		□1500V
Maximum Series Fuse Rating		20A
Telorance		Pmax±3% Voc±3% Isc±3%
Fire Class		Class C

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



^{*}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	42±2°C

MECHNICAL DATA

Cell Type	Mono, 166*33.2mm cut 1/5
Cell Arrangement	340pcs (1/5 , 166)
Dimension (L×W×H)	1719 x 1140 x 35 mm
Weight	22kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67, 2 Bypass Diodes
Cable Type	4mm²
Length of Cable	1000mm
Connector	RENHE 05-8 RHC2 made in china

OPTIONAL

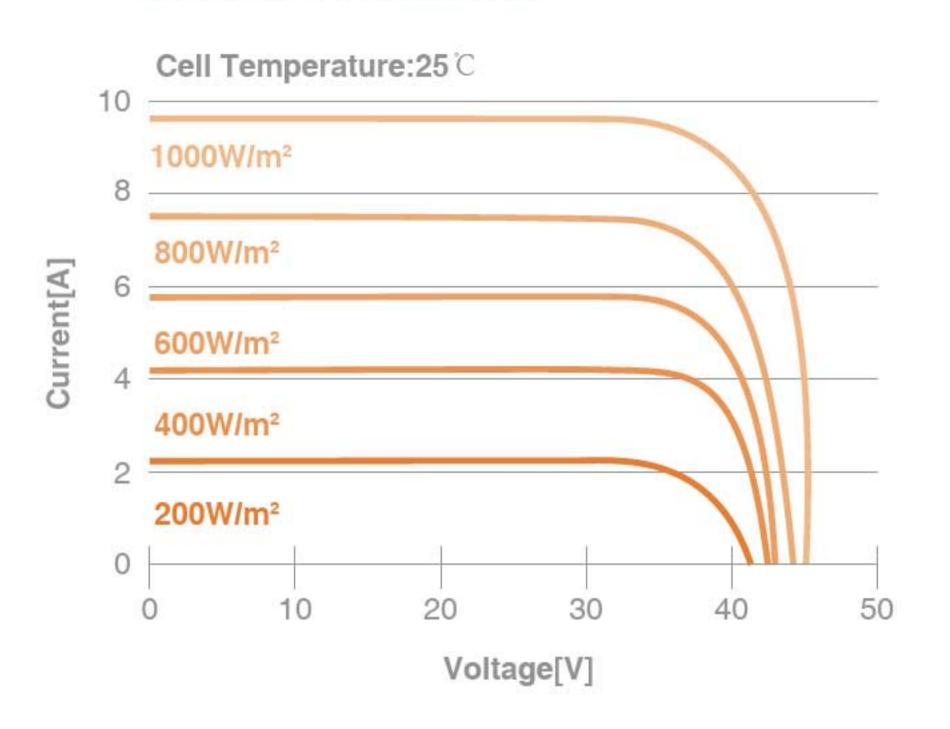
Frame	I
Backsheet	/
Connector	□Original MC4 STAUBLI EVO2
Cable	□ Customized
Junction Box	□IP68

PACKING MANNER

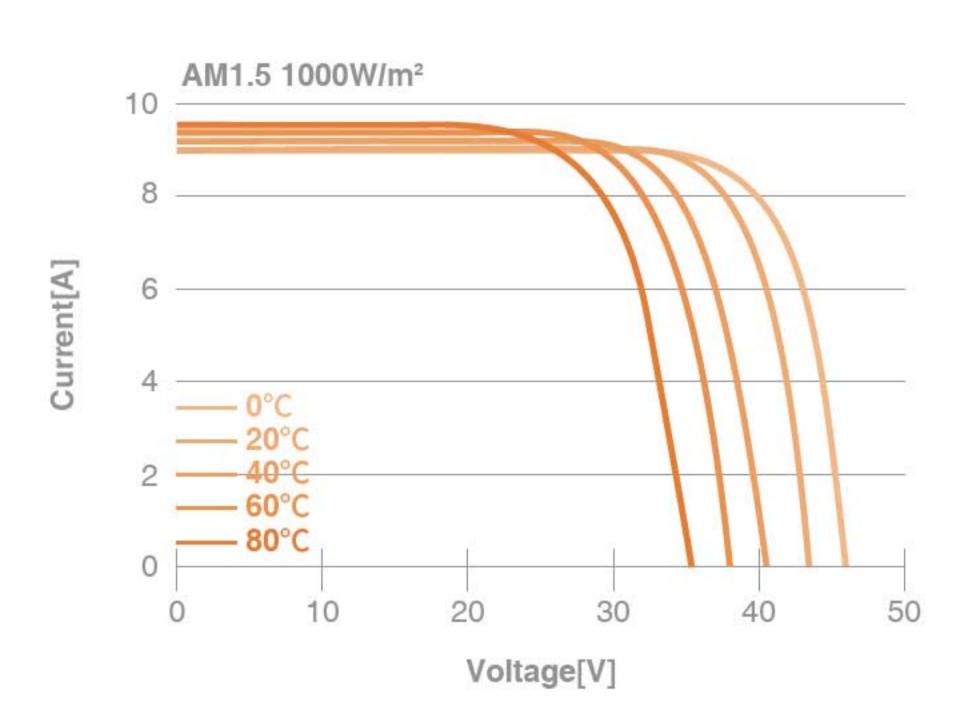
Packing Type	40'HQ
Piece/Pallet	30
Piece/Container	780

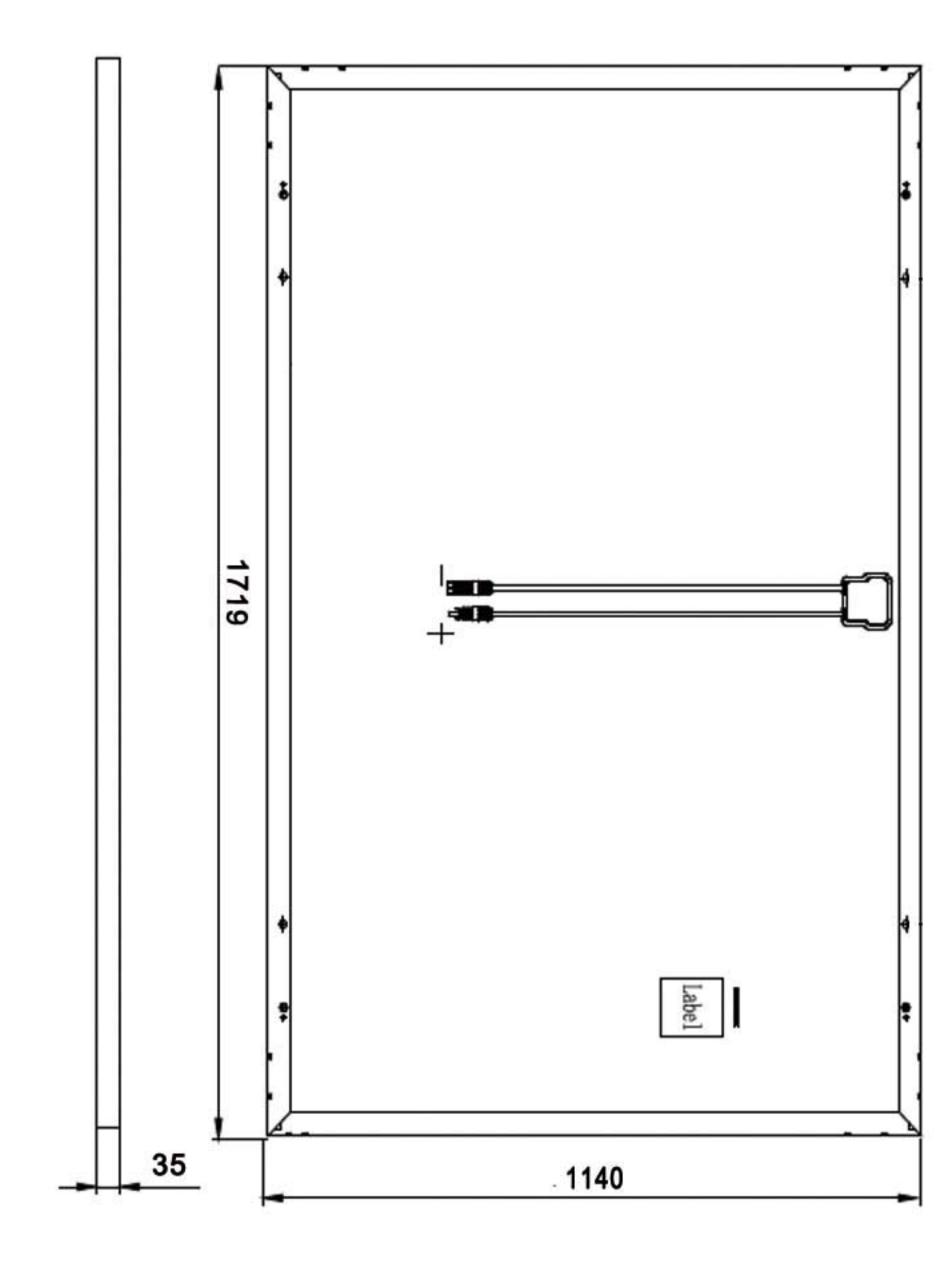
^{*}The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, ECO DELTA POWER CO., LTD Reserves the right to make any adjustment to the information described herein at any time without notice. Please always 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.

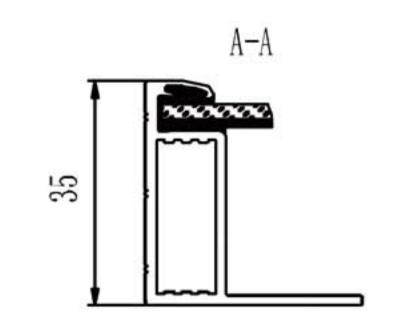
Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures







Website: www.ecodeltapower.com