

Premium All Black Series

Monocrystalline

EG-(SERIES)M60-C

280W
295W

Power Range

High efficiency, 280-295Wp
0~+3% power output guarantee



Resistance to Salt Corrosion and Humidity

Module complies with IEC 61701: Salt Mist Corrosion Testing



Highly Strengthened Design

Module complies with advanced loading tests to meet 5400 Pa loading requirements



IP-67 Rated Junction Box

Advanced water and dust proof level



Fully Automated production

The world's largest & most advanced fully automated modules lines from Reis Robotics Germany, make modules more reliable and durable



Enhanced safety

Module complies with UL 1703 fire testing
Fire class C certified



Ammonia Resistance

Module complies with ammonia resistance testing
Reliable in ammonia rich environment



PID-Free

Innovation technologies on cell and module production help avoid degradation caused by potential changing



EG-280M60-C

EG-285M60-C

EG-290M60-C

EG-295M60-C



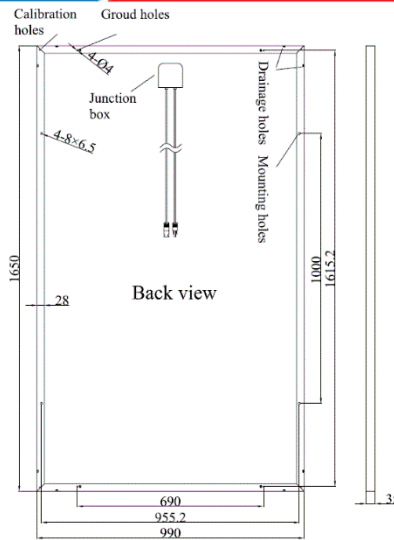
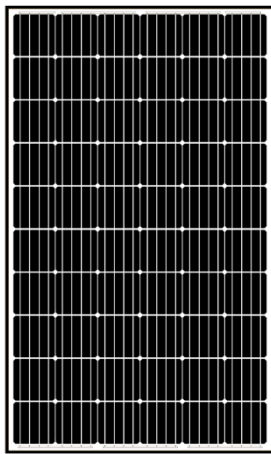
Vertical Integration



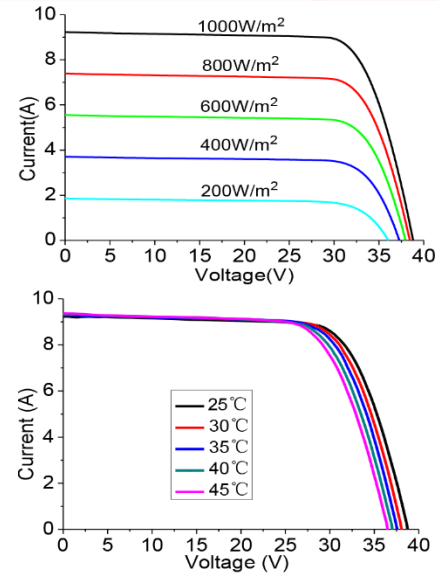
Fully Automation



Dimensions



I-V Curves



Electrical Characteristics STC	EG-280M60-C	EG-285M60-C	EG-290M60-C	EG-295M60-C
Maximum Power (Pmax)	280	285	290	295
Maximum Power Voltage (Vmp)	31.87	31.99	32.12	32.24
Maximum Power Current (Imp)	8.79	8.91	9.03	9.15
Open Circuit Voltage (Voc)	39.29	39.46	39.64	39.81
Short Circuit Current (Isc)	9.14	9.31	9.48	9.65
Module Efficiency	17.1	17.4	17.8	18.1
Power Tolerance	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	EG-280M60-C	EG-285M60-C	EG-290M60-C	EG-295M60-C
Maximum Power (Pmax)	201.97	205.53	209.15	212.78
Maximum Power Voltage (Vmp)	28.77	28.89	29.01	29.12
Maximum Power Current (Imp)	7.02	7.11	7.21	7.31
Open Circuit Voltage (Voc)	36.05	36.20	36.36	36.53
Short Circuit Current (Isc)	7.40	7.53	7.68	7.82

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

Type of cell	156 x156 mm Monocrystalline, 60 (6x10) pcs
Thickness of glass	3.2mm
Type of frame	Anodized aluminum alloy
Junction box	EG-TL-BOX026 (3-diode), IP67 rated
Size of module (mm)	1650*990*35
Weight (kg)	18.6
Cables/connectors	PV1-F,4mm ² ,900mm, MC4 compatible

Temperature coefficient

Pmax (%/°C)	-(0.43±0.05)
Isc (%/°C)	0.04±0.015
Voc (%/°C)	-(0.325±0.1)

Packing Configuration

Pieces per pallet	30	25
Size of packing (mm)	1690*1120*1140	1730*1070*1100
Weight of packing (kg)	600	525
Pieces per container	840	300
Size of container	40' HQ	20GP

Maximum Ratings

Operating Temperature(°C)	-40~85
Operating Humidity(%)	5~85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s

Dealer Information

