

Next Generation Solar Technology

Featuring a uniform cell construction the Fusion module increases the solar radiation conversion by maximising available cell space.

The Fusion module utilises rear contact connection eliminating conventional soldered copper ribbons giving the module superior performance, reliability and a beautiful sleek appearance.

Efficiency up to

20%

340w module

Higher Density Cell Design

Designed to reduce power losses caused by module shadowing by utilising parallel connections between each module zone.

This feature also increases reliability as the module has no front cell to cell soldered connections.

Dual zone design

50%

Better shade tolerance



Higher Efficiency Design

PID

Zero PID Protection



Multi Weather Performance

Technical Information

MODEL NUMBER: REAF-320M-60F

PERFORMANCE SPECIFICATIONS

	STC	NOCT
Power Output P_{max}	320W	250W
Rated Voltage V_{mpp}	36.20	33.90
Rated Current I_{mpp}	8.52	6.94
Open-Circuit Voltage V_{oc}	44.60	42.00
Short-Circuit Current I_{sc}	9.04	7.24
Power Tolerance	+10w inc Power Boost	
Module Efficiency	19.0%	

STC: 1000w/m² irradiance module temperature 25°C, AM = 1.5
 NOCT: 800w/m² irradiance ambient temperature 20°C, AM = 1.5
 Power Measurement tolerance +3%

THERMAL CHARACTERISTICS

Normal Operating Cell Temperature	45°C
Temperature Coefficient P_{max}	-0.36%/°K
Temperature Coefficient V_{oc}	-0.30%/°K
Temperature Coefficient I_{sc}	+0.04%/°K

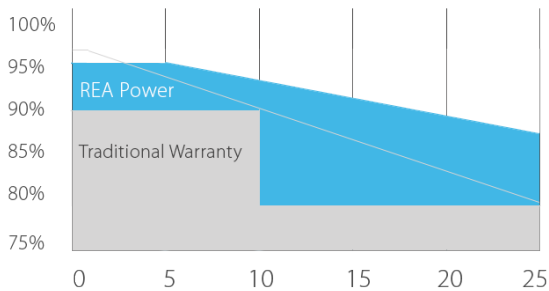
CERTIFICATIONS

TUV Certification	IEC 61730 Ed.1 Ed.2
CEC Certification	Australian Listed

AC SPECIFICATIONS

Peak output Power (VA)	250w
Normal Voltage Range (V)	211v-264v

LINEAR GRAPH

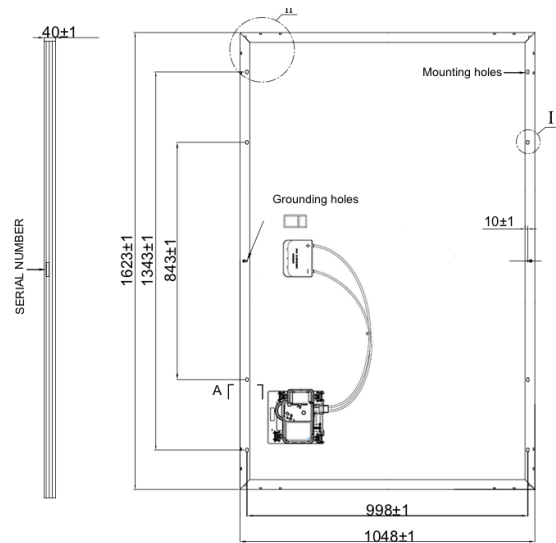


MECHANICAL SPECIFICATIONS

Module Dimensions	1623mm x 1048mm x 40mm (L / W / H)
Front Cover	AR 3.2mm Tempered glass
Back Cover	FUJI Film PV Backsheet
Frame	Black anodised aluminium
Solar Cells	PANASONIC FUSION 60 (156x156mm)
Junction Box	IP68 Rated with Bi-Pass Diodes
Connectors	Enphase Engage
Module Weight	18.0kg

OPERATING CONDITIONS

Maximum System Voltage	1000V _{DC}
Maximum Reverse Current	15A
Wind / Snow Load	2400Pa / 5400Pa
Operating temperature range	-40°C - 85°C



WARRANTY

Product Warranty	10 Years
Power Warranty	25 Years

Guidelines: Installation procedure must be followed in order to achieve maximum performance. See the installation and operation manuals or contact REA technical service department. Only REA FUSION accredited installers are approved to install this product.