Data Sheet **Solar Power Module** Region: APAC

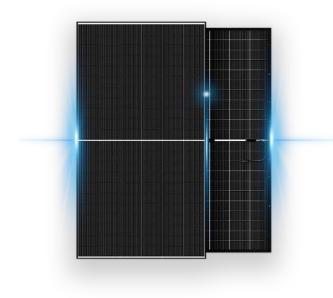
FUSION ENERGY DOUBLE SIDED SOLAR MODULE

Designed for powering the future today **FUSION ENERGY** high density solar module dramatically amplifies energy conversion providing the highest system efficiency and space management

Featuring N-Type Heterojunction Cell technology, the Fusion module increases solar energy harvest by maximising low and oblique light performance

The Fusion solar module utilises a dual glass bifacial panel structure providing double sided power generation

Engineered in Australia the Fusion solar module has been designed to maximum engineering scrutiny and quality assurance to provide class leading reliability



Highest Performance

- N-Type HJT Cell technology
- Superior low and oblique light performance
- Split cell structure for higher shading tolerance
- Double sided power generation
- Parallel Circuitry maximises energy production

Engineered Durability

- Flexible cell connection technology
- Aerospace adhesive reinforce cell connections
- Dual glass structure for increased durability

Maximum Safety

- Low voltage parallel design
- Zero Potential Induced Degradation
- AC Module design optimisation



MODULE SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

RE9609MDGDC-420	RE9609MDGDC-420	RE9609MDGDC-420
STC	COMBINED WITH REAR (10%)	COMBINED WITH REAR (20%)
420	462	504
37.90	37.70	37.70
13.98	14.99	16.08
31.90	31.70	31.70
13.17	14.13	15.17
23.94	26.33	28.73
1000 W/m ² , 25°C, AM1.5		
800 W/m ² , 20°C, AM1.5, wind speed 1m/s		
	STC 420 37.90 13.98 31.90 13.17	STC COMBINED WITH REAR (10%) 420 462 37.90 37.70 13.98 14.99 31.90 31.70 13.17 14.13 23.94 26.33 1000 W/m ² , 25°C, AM1.5

TEMPERATURE RATING (STC)

MECHANICAL LOADING

Temperature Coefficient of Isc	+0.047% / °C
Temperature Coefficient of Voc	-0.20% / °C
Temperature Coefficient of PMAX (W)	-0.22% / °C

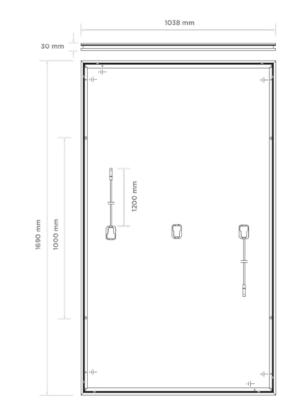
Front Side Design Load	5400 Pa 125 lb/ft ²	
Rear Side Design Load	5400 Pa 125 lb/ft ²	
Hail Impact Test	25 mm Hailstone at 23 m/s	

MECHANICAL PARAMETERES

Cell Type	N-Type HJT M10
Junction Box	Tripple design IP68, 3 diodes
Cable Detail	4 mm ² 12 AWG, 1000 mm
Connector	Genuine MC4
Glass	2.0mm ARC Glass Front and Rear
Frame	Black Anodised Aluminium Alloy
Weight	24kg
Dimension	1690mm x 1038mm x 30mm

OPERATION PARAMETERS

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	-0 /+3%
Max System Voltage	DC 1500 V (IEC/UL)
Max Series Fuse Rating	30A
NOCT	45.7 +/- 2°C
Safety Class	Class II
Fire Rating	Class A / UL Type 1 or 2



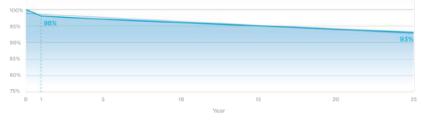
WARRANTY

BACKED BY	Munich RE 萋
PERFORMANCE	25 YEARS
PRODUCT	25 YEARS



LINEAR POWER WARRANTY

Warranted Pmax



The specification detail described in this data sheet may deviate slightly due to ongoing innovation. REA Power Pty Ltd reserves the right to make any adjustment to the information described herein at any time without notice.

