

PRO M 415W

Introducing LAVO LIFE
Solar Photovoltaic Panels.

With high quality encapsulation materials and classic glass-backsheet structure, these modules are perfectly suited to the harsh environment and provide you with high reliability and quality assurance.

Special Features

- Large cell size allows the module to generate a superior energy yield once in use.
- Modules meet IEC standard testing requirements and are built to withstand the harsh Australian environment.
- Wide applications enhances mechanical performance and compatibility with mainstream trackers and inverters.
- Multi-busbar design effectively reduces impact of micro-cracks and broken busbars, and half-cell structure reduces impact of shadow shading.
- Beautiful black minimalist panels.



Superior
Yield



Excellent
Durability



Wide
Applications



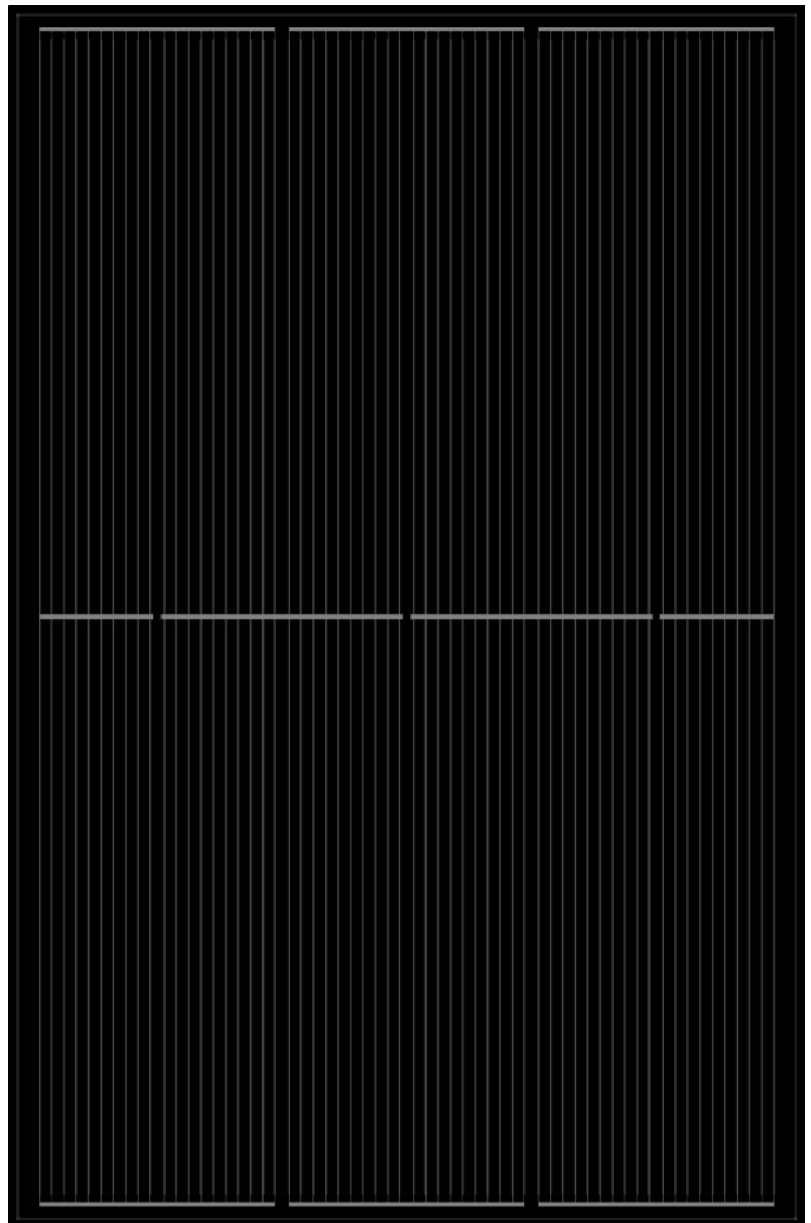
Ethically
Produced



25 Year
Warranty



Ethically
Sourced



Electrical Parameters at Standard Test Conditions (STC*)

Module Type	YLxxxD-37e 1/2 (xxx=Pmax) YLxxxD-37e 1500V 1/2 (xxx=Pmax)		
Power Output	P_{max}	W	415
Power Output Tolerances	ΔP_{max}	W	0 / + 5
Module Efficiency	η_m	%	21.25
Voltage at P_{max}	V_{mpp}	V	31.1
Current at P_{max}	I_{mpp}	A	13.35
Open-circuit Voltage	V_{oc}	V	37.39
Short-circuit Current	I_{sc}	A	14.02

*STC: 1000 W·m⁻² irradiance, 25°C cell temperature, AM 1.5 spectrum according to EN 60904-3. Measurement tolerance of P_{max} , V_{oc} and I_{sc} is ±3%.

Operating Conditions

Max. System Voltage	1000 V _{DC} / 1500 V _{DC}
Max. Series Fuse Rating*	25 A
Operating Temperature Range	- 40°C to 85°C
Max. Static Load, Front (e.g. snow)	5400 Pa
Max. Static Load, Back (e.g. wind)	2400 Pa
Max. Hailstone Impact (diameter / velocity)	25 mm / 23 m·s ⁻¹

*Do not connect fuse in combiner box with two or more strings in parallel connection.

Construction Materials

Cell (material / quantity)	P-type monocrystalline silicon / 6 x 18
Glass (material / thickness)	Low-iron tempered glass / 3.2 mm
Frame (material)	Anodised aluminum alloy
Junction Box (type / protection degree)	3 bypass diodes / ≥ IP68
Plug Connector (type)	Staubli EVO2 or Yitong YT18-01 or Renhe RHC2
Cable (length / cross-sectional area)	± 1200 mm / 4 mm ²

General Characteristics

Dimensions (L / W / H)	1722 mm / 1134 mm / 30 mm
Weight	21.5 kg

Qualifications & Certifications

IEC 61215, IEC 61730, CE, UL 61730, IEC 62941:2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing, ISO 9001:2015 Quality management systems, ISO 14001:2015 Environmental management systems, ISO 45001:2018 Occupational health and safety management systems.



Back View (units mm)

