

POLYCRYSTALLINE SILICON | PHOTOVOLTAIC MODULES
100 W | 120 W | 150 W



About APS:

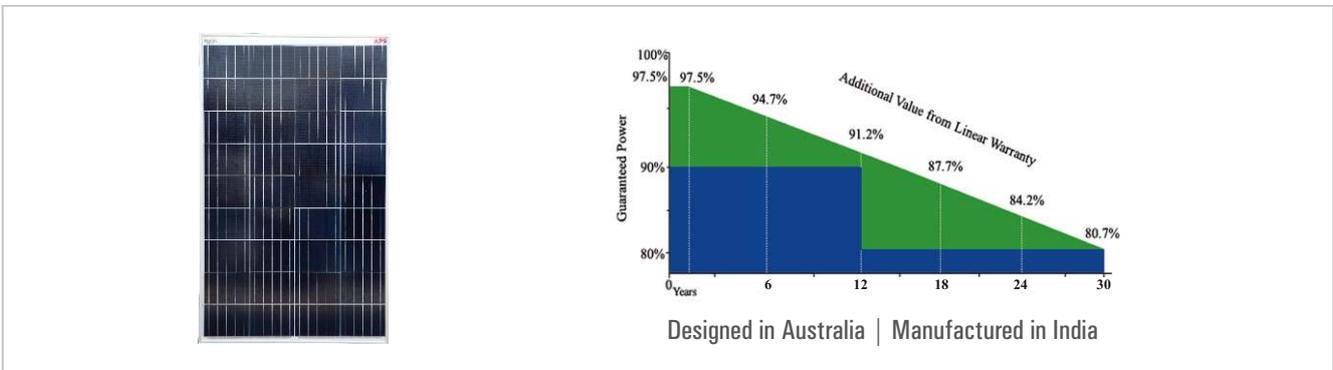
Australian Premium Solar (APS) is 100% Australian Owned managed and operated. APS supplies imported high quality renewable energy products Our solar panels are manufactured in accordance with APS’s high standards of design and Quality Control Which ensure higher PV energy yields.

APS opened an advanced facility in Queensland, Australia for research and development and local testing of solar panels. The 2000 sq. mtr. facility is staffed by qualified engineers, who are dedicated to exploring ways to achieve the continuous improvement of our solar cells and solar modules.

12 Years Product Warranty* | **30 Years Performance Warranty***

91.2% Power Output Up To 12 Years | **80.7% Power Output Up To 30 Years**

ISO 9001 : Quality Management System | CHUBB Insurance | PID Free



-  Australian Brand Manufactured in accordance with APS’s high standards of design and Quality Control
-  Positive tolerance Positive tolerance of up to 4% delivers higher output reliability for our all modules.
-  High Model Output Highest conversion efficiency
-  EL Tested (ELECTRO LUMINESCENCE) 100% EL double inspection
-  Excellent module efficiency Solar cell efficiency up to 21.2% Module efficiency up to 18%
-  High performance Higher PV Energy yields even under low light and cloudy conditions
-  Reliability Premium quality raw material and advanced manufacturing processes guarantees the reliability of our modules
-  PID resistant and free of snail trails Increased module robustness to minimize micro-cracks



ELECTRICAL TYPICAL VALUES

| Model | APSP6-100/36 | APSP6-120/36 | APSP6-150/36 |
|-----------------------------|---------------|---------------|---------------|
| Maximum Power (Pmax) | 100 W | 120 W | 150 W |
| Voltage at max. power (Vmp) | 17.68 V | 18.46 V | 18.5 V |
| Current at max. power (Imp) | 5.70 A | 6.53 A | 8.13 A |
| Open Circuit Voltage (Voc) | 20.91 V | 21.78 V | 21.81 V |
| Short Circuit Current (Isc) | 6.04 A | 6.78 A | 8.53 A |
| Tolerance | Positive only | Positive only | Positive only |
| Module Efficiency | 13.03% | 14.9% | 15.12% |

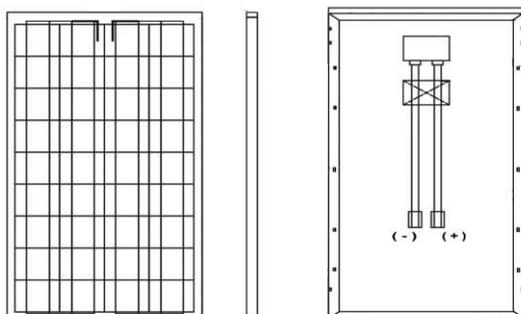
MECHANICAL CHARACTERISTICS

| External Dimensions | 1145 x 670 x 35 mm | 1200 x 670 x 35 mm | 1480 x 670 x 35 mm |
|---------------------|--------------------|--------------------|--------------------|
| Weight | 10 kg | 11 kg | 13 kg |

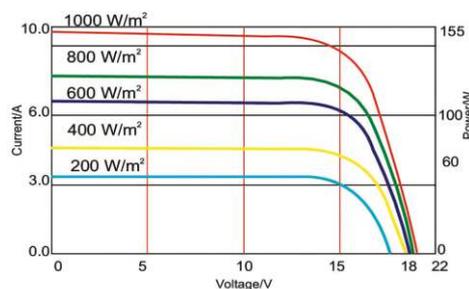
NOTE : STC: Irradiance 1000W/m² Module Temperature 25°C AM = 1.5

| TEMPERATURE CHARACTERISTICS | | MODULE CHARACTERISTICS | |
|--------------------------------------|--|-------------------------|---|
| NOCT (Nominal Operation Temperature) | : 45 ± 2°C | Solar Cells | Poly |
| Temperature Coefficient of Voc (β) | : -0.35%/°C | No. of Cells | 36 Cells(4*9) |
| Temperature Coefficient of Isc (α) | : +0.05%/°C | Glass | Low iron, tempered glass, 3.2mm |
| Temperature Coefficient of Pmax (γ) | : -0.45%/°C | Frame | Anodized aluminum alloy |
| ABSOLUTE MAXIMUM RATING | | Junction Box | IP65/67 rated |
| Parameter | Values | Cable & Plug Connectors | 1.1 x 4.0mm ² Mc4 compatible / IP 67 |
| Operating Temperature | From -40° to 85° | Maximum Snow Load | 2400 Pascal |
| Maximum Series Fuse Rating | 15 A | Maximum Wind Load | 5400 Pascal |
| IEC Application Class | IEC 61215, IEC 61730 IEC 61701, IEC 62804 | Hailstone Impact Test | 80 km/h for 25mm ice ball |
| Maximum System Voltage | 1000v DC (IEC 61215) 600v (UL 1703) | | |

MODULE DIMENSION



I - V CURVE



Note:

- The specifications in this datasheet are subject to change without any notice.
- The electrical data given here is for reference purpose only.
- Please contact our sales team for any customized solutions.
- Please read safety and installation instructions before using the product.
- Subject to Ahmedabad Jurisdiction.

***Warranty:**

Please read APS India warranty documents thoroughly on <http://australianpremiumsolar.co.in/warranty/>

Corporate Office :

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Factory-2:

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