

572 W

PUISSANCE MAXIMUM
440W À L'AVANT + 128W À L'ARRIÈRE

30 ans

GARANTIE DE PERFORMANCE LINÉAIRE

212,5 W/m²

GARANTIE DE PERFORMANCE LINÉAIRE

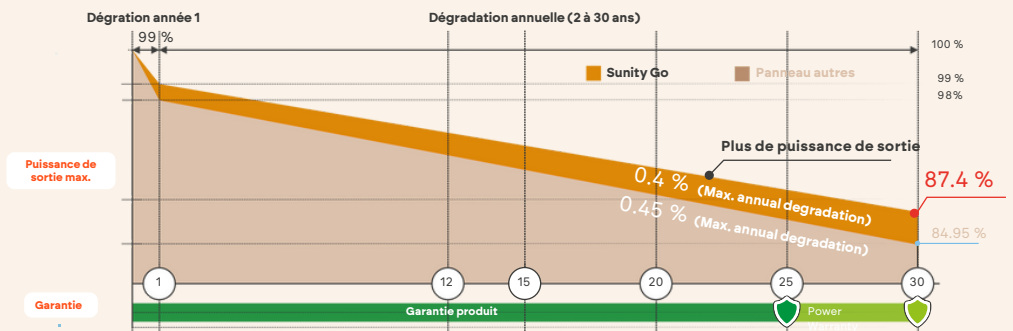
Garantie Vertex S+ Étendue

1 %
dégradation max pour la 1ère année

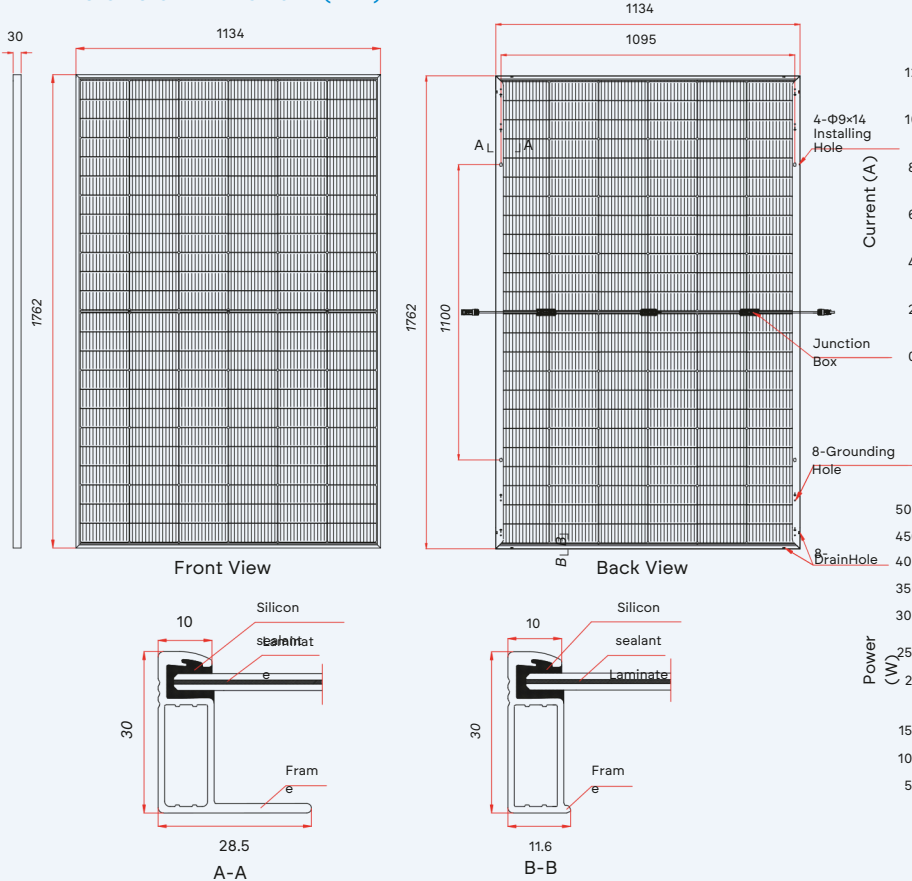
0.4 %
Dégradation max de l'année 2 à 30

25 Years

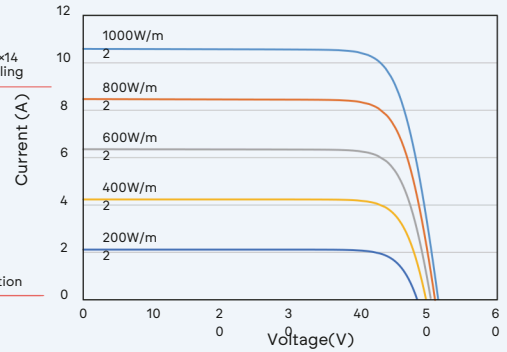
Garantie produit



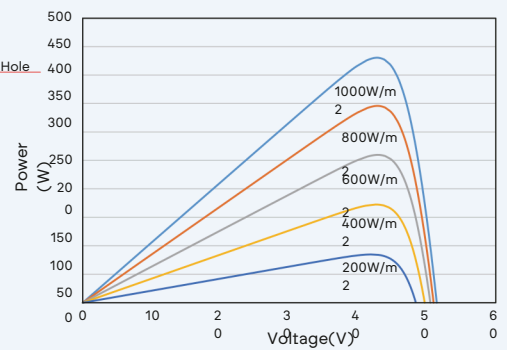
DIMENSIONS OF PV MODULE (mm)



I-V CURVES OF PV MODULE (430 W)



P-V CURVES OF PV MODULE (430 W)



DONNÉES ÉLECTRIQUES (STC)

| | |
|---|-------|
| Puissance crête - Pmax (Wc) | 440 |
| Tension à puissance maximale - VMPP (V) | 44.0 |
| Intensité à puissance maximale - IMPP (A) | 10.01 |
| Tension de circuit ouvert-VOC (V) | 52.2 |
| Intensité de court circuit-ISC (A) | 10.67 |
| Efficacité du module η_m (%) | 22.0 |

STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5.*Measuring tolerance: ±3 %.

Electrical characteristics with different power bin (reference to 10% Irradiance ratio)

| | |
|--|-------|
| Total Equivalent power - P _{MAX} (Wp) | 475 |
| Maximum Power Voltage-VMPP (V) | 44.0 |
| Maximum Power Current-IMPP (A) | 10.81 |
| Open Circuit Voltage-VOC (V) | 52.2 |
| Short Circuit Current-ISC (A) | 11.52 |
| Irradiance ratio (rear/front) | 10% |
| Power Bifaciality: 80 ±5 %. | |

ELECTRICAL DATA (NOCT)

| | |
|-------------------------------------|------|
| Maximum Power-P _{MAX} (Wp) | 335 |
| Maximum Power Voltage-VMPP (V) | 41.0 |
| Maximum Power Current-IMPP (A) | 8.17 |
| Open Circuit Voltage-VOC (V) | 49.4 |
| Short Circuit Current-ISC (A) | 8.60 |

MECHANICAL DATA

| | |
|----------------------|--|
| Solar Cells | Monocrystalline |
| No. of cells | 144 cells |
| Module Dimensions | 1762x1134x30 mm |
| Weight | 21.0 kg |
| Front Glass | 1.6 mm, High Transmission, AR Coated Heat Strengthened Glass |
| Encapsulant material | POE/EVA |
| Back Glass | 1.6 mm, High Transmission, Heat Strengthened Glass |
| Frame | 30 mm Anodized Aluminium Alloy, Black |
| J-Box | IP 68 rated |
| Cables | Photovoltaic Technology Cable 4.0 mm ² Landscape: 1100/1100 mm Portrait: 280/350 mm |
| Connector | TS4 / MC4 EVO2 |

MAXIMUM RATINGS

| | |
|---------------------|---------------|
| Operational | -40 to +85 °C |
| Temperature Maximum | 1500 V DC |
| System Voltage Max | (IEC) 25 A |
| Series Fuse Rating | |



IEC61215/IEC61730/IEC61701/IEC62716/UL61730
 ISO 9001: Quality Management System ISO
 14001: Environmental Management System



ISO14064: Greenhouse Gases Emissions Verification
 ISO45001: Occupational Health and Safety Management System



Model

APSystems EZ1-M

Input Data (DC)

| | |
|---|--------------|
| Recommended PV Module Power (STC) Range | 300Wp-730Wp+ |
| Peak Power Tracking Voltage | 28V-45V |
| Operating Voltage Range | 16V-60V |
| Maximum Input Voltage | 60V |
| Maximum Input Current | 20A x 2 |
| Isc PV | 25A x 2 |

Output Data (AC)

| | |
|------------------------------------|----------------|
| Maximum Continuous Output Power | 600VA(3)/799VA |
| Nominal Output Voltage/Range(1) | 230V/184V-253V |
| Nominal Output Current Nominal | 2.6A(3)/3.5A |
| Output Frequency/ Range(1) Default | 50Hz/48Hz-51Hz |
| Power Factor | 0.99 |

Efficiency

| | |
|-------------------------|-------|
| Peak Efficiency Nominal | 96.7% |
| MPPT Efficiency Night | 99.5% |
| Power Consumption | 20mW |

Mechanical Data

| | |
|--|----------------------------------|
| Operating Ambient Temperature Range ⁽²⁾ | - 40 °C to + 65 °C |
| Storage Temperature Range | - 40 °C to + 85 °C |
| Dimensions (W x H x D) | 263mm x 218mm x 36.5mm |
| Weight | 2.8kg |
| DC Connector Type | Stäubli MC4 PV-ADBP4-S2&ADSP4-S2 |
| Cooling | Natural Convection - No Fans |
| Enclosure Environmental Rating | IP67 |

Power Cord (Optional)

| | |
|--------------|--------------------------|
| Wire Size | 1.5mm ² 5M as |
| Cable Length | default |
| Plug Type | Schuko |

Features

| | |
|-------------------------|--|
| Communication | Built-in Wi-Fi and Bluetooth |
| Maximum units connected | 2 |
| Isolation Design | High Frequency Transformers, Galvanically Isolated |
| Energy Management | App Sunity |
| Warranty | 12 Years Standard |

Compliances

| | |
|--------------------------------|---|
| Safety, EMC & Grid Compliances | EN 62109-1/-2; EN 61000-6-1/-2/-3/-4; EN 50549-1; DIN V VDE V 0126-1-1; VFR; UTE C15-712-1; CEI 0-21; UNE 217002; NTS; RD647; VDE-AR-N 4105 |
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