

KASANAKI®

OFF-GRID POWER FOR ON-ROAD LEGENDS

KSPF

520W Solar Panel

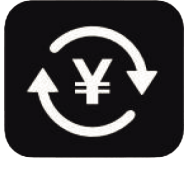
Lightweight and Flexible,
Self Cleaning and dust-resistant



PRODUCT FEATURES



Ultra-lightweight and highly flexible, suitable for a wide range of applications with low load-bearing requirements.



Proprietary encapsulation materials with outstanding weather resistance and moisture protection.



Self-cleaning surface minimizes dust accumulation and ensures long-term high performance.

TECHNICAL SUPPORT & ADVANCED MATERIAL TECHNOLOGIES

POLYMER CHAIN GROUP MODIFICATION TECHNOLOGY

- ° Front sheet light transmittance >91%.
- ° Water vapor transmission rate <0,8g/m²
- ° 25 year power warranty, ensuring long-term high performance

ENHANCED RESIN-FIBER INTERFACE TECHNOLOGY

- ° Static load resistance up to 5400 Pa.
- ° IEC 61215 hail test certified.
- ° TÜV wind tunnel tested, resistant to category 17 typhoons

NANO-HYBRID MODIFICATION AND SURFACE FIRE-RESISTANCE TREATMENT

- ° Passed flame spread and burn block tests.
- ° Does not collapse or spread sparks in mild fire scenarios.

NANO OXIDE COATING SELF-CLEANING TECHNOLOGY

- ° Inhibits static electricity and dust accumulation, reducing hot spot effects.
- ° Quick rinse cleaning boost power generation by 3-5%.

OPERATION CONDITIONS

| | |
|-----------------------------|--------------|
| MAXIMUM SYSTEM VOLTAGE | DC1500V(IEC) |
| MAXIMUM SERIES FUSE RATING | 20A |
| OPERATING TEMPERATURE RANGE | -40°C / 85°C |

TEMPERATURE COEFFICIENT

| | |
|---|-----------|
| NOMINAL MODULE OPERATING TEMPERATURE (NMOT) | 41+2°C |
| TEMPERATURE COEFFICIENT OF POWER | -0,36%/°C |
| TEMPERATURE COEFFICIENT OF VOLTAGE | -0,26%/°C |
| TEMPERATURE COEFFICIENT OF CURRENT | 0,04%/°C |

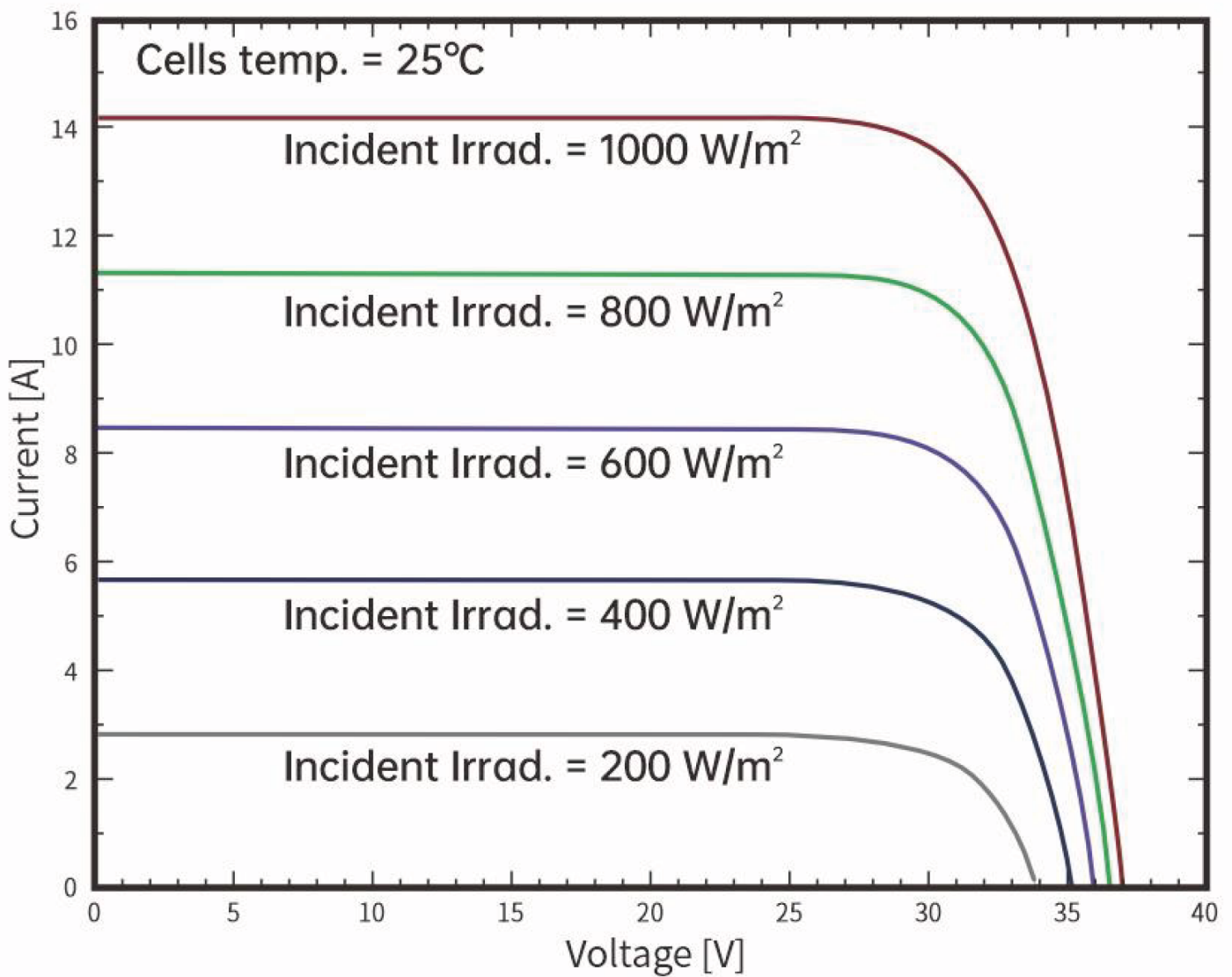
MECHANICAL CHARACTERISTICS

| | |
|------------------------|--------------------------|
| DIMENSIONS | 2246mmx1185mmx2,5mm |
| WEIGHT | 7,9KG |
| CELL | P-Type |
| ENCAPSULANT MATERIAL | EVA |
| BACKSHEET TYPE | White |
| BASE FRAME | Frameless |
| CONNECTOR TYPE | MC4-Compatible |
| JUNCTION BOX IP RATING | IP68 |
| CABLE SPECIFICATION | 4mm ² , 400mm |
| BENDING RADIUS | 0,5m |

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS

| | |
|--------------------------------|------|
| MAXIMUM POWER(P _m) | 520 |
| MODULE EFFICIENCY | 19,5 |

CURRENT-VOLTAGE CHARACTERISTICS AT VARYING IRRADIANCE



CURRENT-VOLTAGE CHARACTERISTICS AT VARYING CELL TEMPERATURE

