

COMPATIBLE WITH MLPE

430 20.7

22.3% EFFICIENCY





EXPERIENCE PERFORMANCE



| GENERAL DATA | | | |
|---------------|---|--|--|
| Cell type: | 80 half-cut REC bifacial, heterojunction cells with lead-free, gapless technology | | |
| Glass: | $0.13 in (3.2 mm) solar glass with anti-reflective surface treatment\\in accordance with EN12150$ | | |
| Backsheet: | Highly resistant polymer (black) | | |
| Frame: | Anodized aluminum (black) | | |
| Junction box: | 4-part, 4 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790 | | |
| Connectors: | $St\"{a}ubliMC4PV\text{-}KBT4/KST4(4mm^2)\\inaccordancewithIEC62852,IP68onlywhenconnected$ | | |
| Cable: | 12 AWG (4 mm²) PV wire, 67 + 67 in (1.7 + 1.7 m) in accordance with EN 50618 | | |
| Dimensions: | $68.1x44.0x1.2\text{in}(20.77\text{ft}^2)/1730x1118x30\text{mm}(1.93\text{m}^2)$ | | |
| Weight: | 47.4 lbs (21.5 kg) | | |
| Origin: | Made in Singapore | | |

| | - | 1730±2.5 [68.1±0.1] 880 [34.6] | 425 [16.7] |
|---------------------|------------------------|-----------------------------------|--|
| 1118±2.5 [44,0±0.1] | | Lorem ipsum | 0.0± 6.0±0.2 (0.24±0.01) 1700 [67] 1700 [67] 1700 [67] |
| | Measurements in inches | [mm] | 30 [1.2] |

| | ELECTRICAL DATA | | Product Code*: RE | CxxxAA PURE-R | ₹ |
|---|--|-------|-------------------|---------------|-------|
| | Power Output - P _{MAX} (Wp) | 400 | 410 | 420 | 430 |
| | Watt Class Sorting - (W) | 0/+10 | 0/+10 | 0/+10 | 0/+10 |
| | Nominal Power Voltage - $V_{MPP}(V)$ | 48.8 | 49.4 | 50.0 | 50.5 |
| , | ${\sf NominalPowerCurrent-I}_{\sf MPP}({\sf A})$ | 8.20 | 8.30 | 8.40 | 8.52 |
|) | Open Circuit Voltage - $V_{OC}(V)$ | 58.9 | 59.2 | 59.4 | 59.7 |
| | $ShortCircuitCurrent\text{-}I_{SC}(A)$ | 8.73 | 8.81 | 8.89 | 8.97 |
| | Power Density (W/ft²) | 19.26 | 19.74 | 20.22 | 20.7 |
| | Panel Efficiency (%) | 20.7 | 21.2 | 21.8 | 22.3 |
| | Power Output - P _{MAX} (Wp) | 305 | 312 | 320 | 327 |
| _ | Nominal Power Voltage - $V_{MPP}(V)$ | 46.0 | 46.6 | 47.1 | 47.6 |
| 2 | ${\sf NominalPowerCurrent-I}_{\sf MPP}({\sf A})$ | 6.64 | 6.70 | 6.78 | 6.88 |
| - | Open Circuit Voltage - $V_{OC}(V)$ | 55.5 | 55.8 | 56.0 | 56.3 |
| | $ShortCircuitCurrent\text{-}I_{SC}(A)$ | 7.05 | 7.12 | 7.18 | 7.24 |
| | | | | | |

with a tolerance of P_{MAX} , V_{OC} & I_{SC} ± 3% within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m², temperature 68°F (20°C), windspeed 3.3 ft/s (1 m/s).* Where xxx indicates the nominal power class (P_{MAX}) at STC above.

| MAXIMUM RATINGS | | |
|--|--------------------------|--|
| Operational temperature: | -40+85°C | |
| System voltage: | 1000 V | |
| Test load (front): | +7000 Pa (146 lbs/ft²)* | |
| Test load (rear): | -4000 Pa (83.5 lbs/ft²)* | |
| Series fuse rating: | 25 A | |
| Reverse current: | 25 A | |
| *See installation manual for mounting instructions | | |

stallation manual for mounting instructions. Design load = Test load / 1.5 (safety factor)

| WARRANTY | | | |
|---|--|--------|-----------|
| | Standard | REC | ProTrust |
| Installed by an REC Certified Solar Professional | No | Yes | Yes |
| System Size | All | ≤25 kW | 25-500 kW |
| Product Warranty (yrs) | 20 | 25 | 25 |
| Power Warranty (yrs) | 25 | 25 | 25 |
| Labor Warranty (yrs) | 0 | 25 | 10 |
| Power in Year 1 | 98% | 98% | 98% |
| Annual Degradation | 0.25% | 0.25% | 0.25% |
| Power in Year 25 | 92% | 92% | 92% |
| See warranty docu | See warranty documents for details. Conditions apply | | |

| CERTIFICATIONS | |
|----------------------|------------------------------------|
| IEC 61215:2016, IEC | 61730:2016, UL 61730 |
| IEC 62804 | PID |
| IEC 61701 | Salt Mist |
| IEC 62716 | Ammonia Resistance |
| UL 61730 | Fire Type Class 2 |
| IEC 62782 | Dynamic Mechanical Load |
| IEC 61215-2:2016 | Hailstone (35mm) |
| IEC 62321 | Lead-free acc. to RoHS EU 863/2015 |
| ISO 14001, ISO 9001, | IEC 45001, IEC 62941 |









| ш | Lead-Free |
|------|-----------|
| | |
| 11°C | (+2°C) |

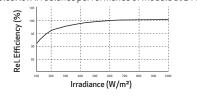
| TEMPERATURE RATINGS* | |
|---|-------------|
| Nominal Module Operating Temperature: | 44°C (±2°C) |
| Temperature coefficient of P_{MAX} : | -0.26 %/°C |
| Temperature coefficient of $V_{\rm oc}$: | -0.24 %/°C |
| Temperature coefficient of I_{SC} : | 0.04 %/°C |
| | |

*The temperature coefficients stated are linear values

| DELIVERY INFORMATION | |
|--|------------------|
| Panels per pallet: | 33 |
| Panels per 40 ft GP/high cube container: | 858 (26 pallets) |
| Panels per 53 ft truck: | 858 (26 pallets) |

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Available from:

Specifications subject to change without notice.

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