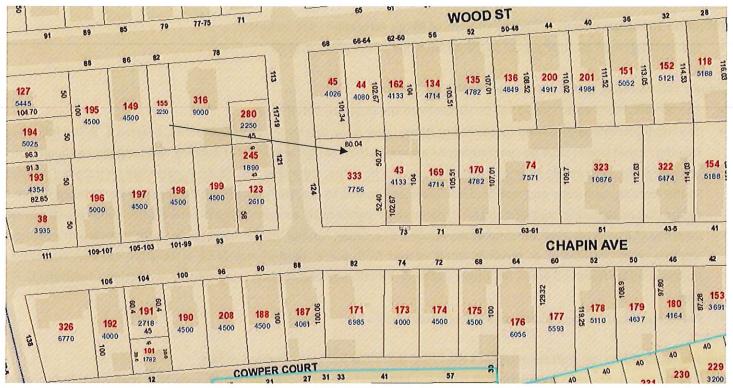
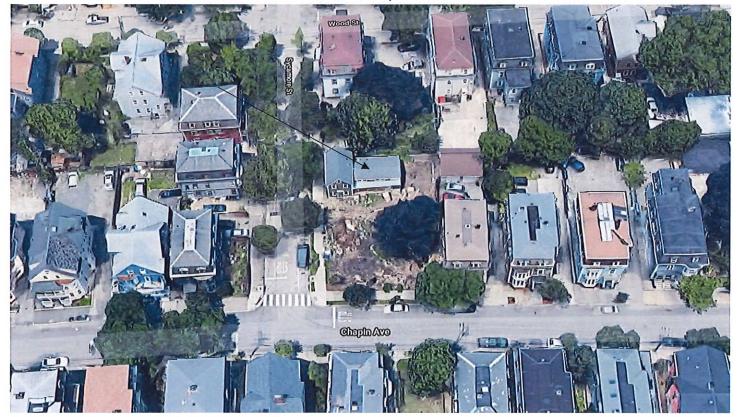
5. CASE 21.125, 124 SYCAMORE STREET, House, 2017 (ARMORY)

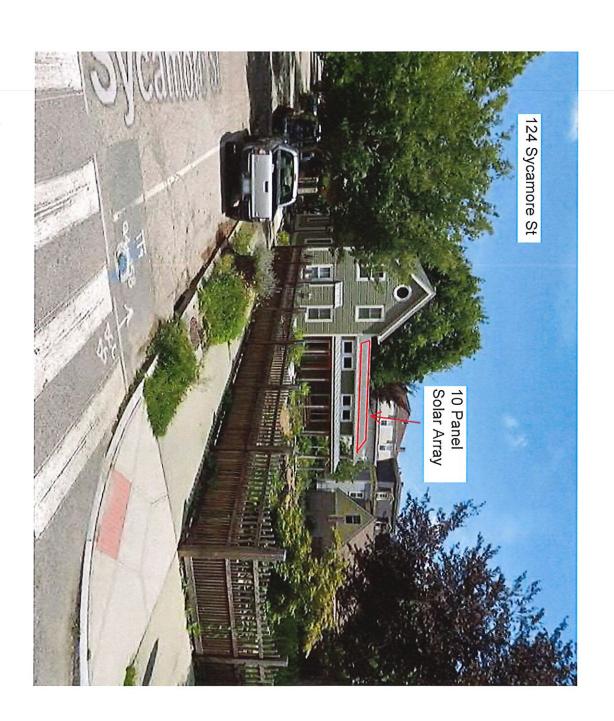
NON-CONTRIBUTING to Broadway/Armory National Register Historic District



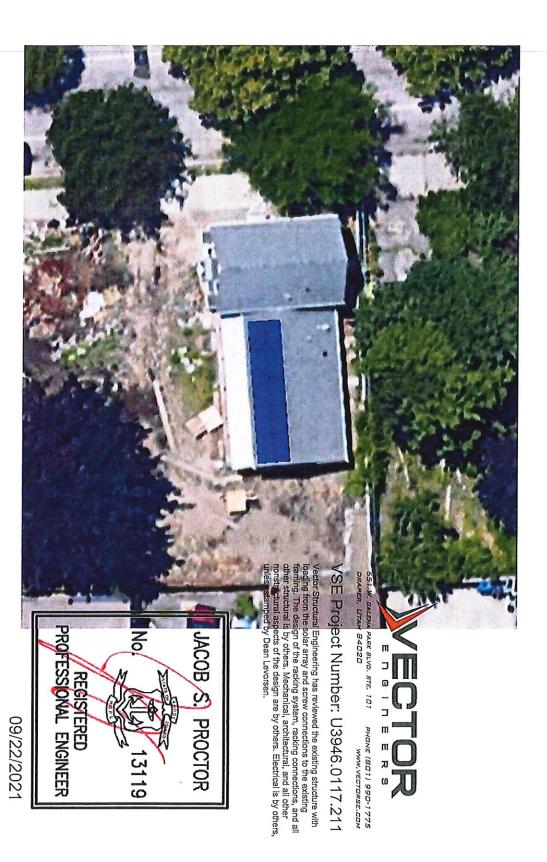
Arrow indicates 124 Sycamore Street



Arrow indicates project location, looking north.





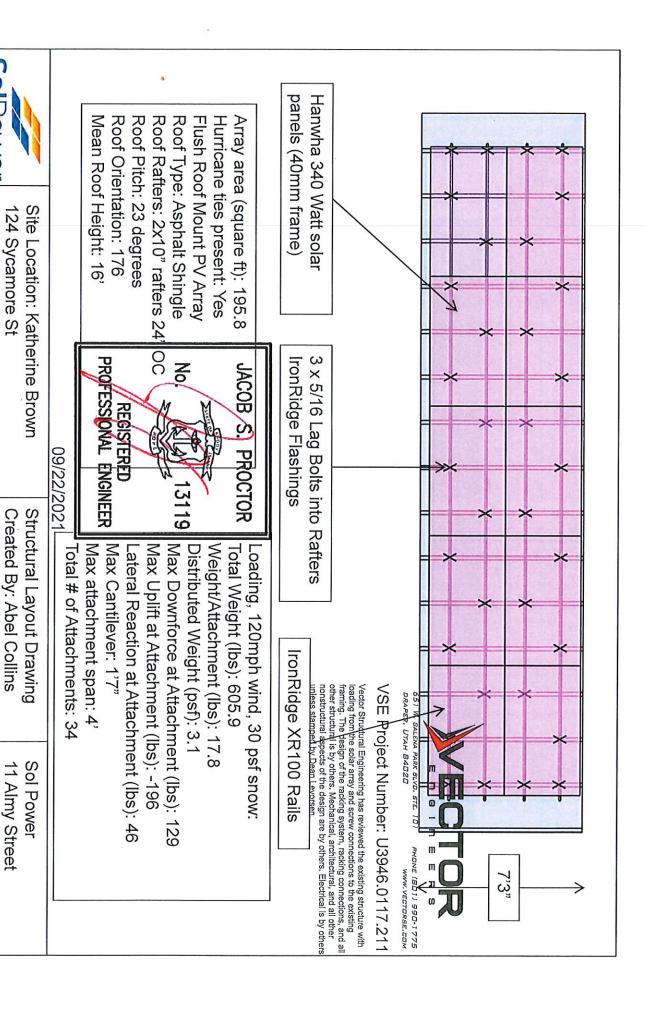




Site Location: Katherine Brown 124 Sycamore St Providence, RI 02909

Structural Layout Drawing Created By: Abel Collins Date: 9/20/2021

Sol Power 11 Almy Street Providence, RI. 02909

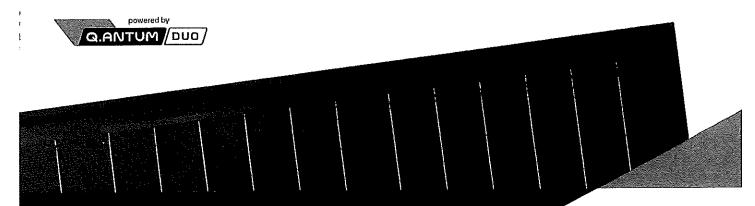


SolPower

Providence, RI 02909

Date: 9/20/2021

Providence, RI. 02909



Q.PEAK DUO BLK-G6+ 330-345

ENDURING HIGH PERFORMANCE















Q.ANTUM TECHNOLOGY: LOW LEVELISED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.5%.



INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.QTM.



EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high snow (5400Pa) and wind loads (4000Pa).



A RELIABLE INVESTMENT

Inclusive 25-year product warranty and 25-year linear performance warranty².



STATE OF THE ART MODULE TECHNOLOGY

Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.

¹ APT test conditions according to IEC/TS 62804-1:2015, method B (-1500V, 168h)

THE IDEAL SOLUTION FOR:

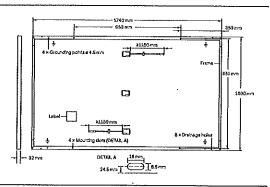


Rooftop arrays on residential buildings



² See data sheet on rear for further information.

| Format | 1740 mm × 1030 mm × 32 mm (including frame) | | | |
|--------------|--|--|--|--|
| Weight | 19.9kg | | | |
| Front Cover | 3.2mm thermally pre-stressed glass with anti-reflection technology | | | |
| Back Cover | Composite film | | | |
| Frame | Black anodised aluminium | | | |
| Cell | 6 × 20 monocrystalline Q.ANTUM solar half cells | | | |
| Junction box | 53-101 mm × 32-60 mm × 15-18 mm Protection class IP67, with bypass diodes | | | |
| Cable | 4mm² Solar cable; (+) ≥1150mm, (-) ≥1150mm | | | |
| Connector | Stăubli MC4; IP68 | | | |



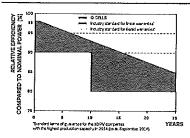
ELECTRICAL CHARACTERISTICS

| PO | WER CLASS | | | 330 | 335 | 340 | 345 |
|---------|------------------------------------|-------------------|---------------|-------------------|-------|---------------------------------------|-------|
| MIN | NIMUM PERFORMANCE AT STANDA | ARD TEST CONDITIO | NS, STC1 (POW | ER TOLERANCE +5W/ | -0W) | · · · · · · · · · · · · · · · · · · · | |
| Minimum | Power at MPP ¹ | Pwee | [W] | 330 | 335 | 340 | 345 |
| | Short Circuit Current ¹ | I _{sc} | [A] | 10.41 | 10.47 | 10.52 | 10.58 |
| | Open Circuit Voltage ¹ | V _{∞c} | [V] | 40.15 | 40.41 | 40.66 | 40.92 |
| | Current at MPP | I _{MPP} | [A] | 9.91 | 9.97 | 10.02 | 10.07 |
| | Voltage at MPP | V _{MFP} | [V] | 33.29 | 33.62 | 33.94 | 34.25 |
| | Efficiency ¹ | η | [%] | ≥18.4 | ≥18.7 | ≥19.0 | ≥19.3 |
| MIN | NMUM PERFORMANCE AT NORMA | L OPERATING CON | OITIONS, NMOT | -2 | | · · · · · · · · · · · · · · · · · · · | |
| | Power at MPP | P _{MPP} | (W] | 247.0 | 250.7 | 254.5 | 258.2 |
| Minimum | Short Circuit Current | sc | [A] | 8.39 | 8.43 | 8.48 | 8.52 |
| | Open Circuit Voltage | V∞ | [V] | 37.86 | 38.10 | 38.34 | 38.59 |
| | Current at MPP | l _{kee} | [A] | 7.80 | 7.84 | 7.89 | 7,93 |
| | Voltage at MPP | V _{MPP} | [V] | 31.66 | 31.97 | 32.27 | 32.57 |

¹Measurement tolerances Puee ±3%; lsc; Voc ±5% at STC: 1000W/m², 25±2°C, AM 1.5 according to IEC 60904-3 • ²800W/m², NMOT, spectrum AM 1.5

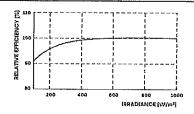
Q CELLS PERFORMANCE WARRANTY

PERFORMANCE AT LOW IRRADIANCE



At least 98% of nominal power during lirst year. Thereafter max. 0.54% degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.



Typical module performance under low irradiance conditions in comparison to STC conditions (25 $^{\circ}$ C, 1000W/m²).

| TEMPERATURE COEFFICIENTS | | | | | | | |
|--|---|-------|-------|-------------------------------------|------|-------|-------|
| Temperature Coefficient of I _{sc} | α | [%/K] | ÷0.04 | Temperature Coefficient of Voc | β | [%/K] | -0.27 |
| Temperature Coefficient of PMPP | у | [%/K] | -0.36 | Normal Module Operating Temperature | ИМОТ | [°C] | 43±3 |

PROPERTIES FOR SYSTEM DESIGN

| · · · · · · · · · · · · · · · · · · · | | | | | |
|---------------------------------------|------------------|------|-----------|-----------------------------------|---------------|
| Meximum System Voltage | V _{sys} | {V} | 1000 | Safety Class | 11 |
| Maximum Reverse Current | l _g | [A] | 20 | Fire Rating based on ANSI/UL 1703 | С |
| Max. Design Load, Push/Pull | | [Pa] | 3600/2667 | Permitted Module Temperature | -40°C - +85°C |
| Max. Test Load, Push/Pull | | [Pa] | 5400/4000 | on Continuous Duty | |

QUALIFICATIONS AND CERTIFICATES

PACKAGING INFORMATION

VDE Quality Tested, IEC 61215:2016; IEC 61730:2016, Application Class II; This data sheet complies with DIN EN 50380.





| Number of Modules per Pailet | 32 |
|--|------------------|
| Number of Pallets per Trailer (241) | 28 |
| Number of Pallets per 40' HC-Container (26t) | 24 |
| Palfet Dimensions (L × W × H) | 1815×1150×1220mm |
| Pallet Weight | 683kg |

Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

Hanwha Q CELLS GmbH

Sonnenallee 17-21, 06766 Bitterfeld-Wolfen, Germany | TEL +49 (0)3494 66 99-23444 | FAX +49 (0)3494 66 99-23000 | EMAIL sales@q-cells.com | WEB vvvvv.q-cells.com

