Accompanying Statement

1-9 Albany Street

NW1 4DF March 2025

brooks murray

Introduction

This planning statement has been prepared to accompany the planning application for the proposed installation of 105 solar panels on the roof of 1-9 Albany Street. This statement should be read in conjunction with the submitted drawings and attached appendix specifying the solar panels we propose to install.

This application does not include any work to No. 2 Marylebone Road.



Existing Roof - Aerial View



Overview

This proposal is to install 105 solar panels on the faceted sections of the roof. The panels have an overall dimension of 1205 W x 1729 L x 30 H. Each panel will be angled to be parallell with each roof plane and set 124mm above to make space for the clamps that hold them in place. Attached below is the specification sheet for the panels we would propose to use.

As the panels are at the same angle as the roof and and do not protrude more than 170mm above, the impact on the surrounding buildings will be minimal.

Views



Existing view from Albany Street



Proposed view from Albany Street with 3D Model overlay - from street level the panels are not visable from view

3D Diagram



3D Model from the east



3D Model from the west

Appendix

REC ALPH α° PURE-RX SERIES DATASHEET



GENERAL DATA	
Cell Type	88 half-cut bifacial REC heterojunction cells with lead-free, gapless technology
Glass	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	Stäubli MC4 PV-KBT4/KST4 (4 mm² in accordance with IEC 62852, IP68 only when connected
Cable	4 mm² solar cable, 1.7 m + 1.7 m in accordance with EN50618
Dimensions	1728 x 1205 x 30 mm (2.08 m ²)
Weight	23.4 kg
Origin	Made in Singapore



CERTIFICATIONS

IEC 62716

IEC 61701

UL 61730

IEC 61215:2021; IEC61730:2016; UL61730

Ammonia Resistance

Salt Mist (SM6) IEC 61215:2016 Hailstone (35 mm)

Fire Type 2

ELECTRICAL DATA			PRODUCT CO	ODE*: RECxxxAA	A Pure-RX	
	Power Output - P _{MAX} (W _P)	450	455	460	465	470
	Watt Class Sorting - (W)	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
	Nominal Power Voltage - V _{MPP} (V)	54.3	54.6	54.9	55.2	55.4
	Nominal Power Current - I _{MPP} (A)	8.29	8.34	8.38	8.43	8.49
STC	Open Circuit Voltage - V _{oc} (V)	65.1	65.2	65.3	65.5	65.6
	Short Circuit Current - I _{sc} (A)	8.81	8.84	8.88	8.91	8.95
	Power Density (W/m²)	216	219	221	224	226
	Panel Efficiency (%)	21.6	21.9	22.1	22.3	22.6
	Power Output - Pmax (W _P)	343	346	350	354	358
5	Nominal Power Voltage - V _{MPP} (V)	51.2	51.4	22.1 22.3 22.6 350 354 358 51.7 52.0 52.2 6.77 6.81 6.86		
ОМИ	Nominal Power Current - I _{MPP} (A)	6.70	6.73	6.77	6.81	6.86
	Open Circuit Voltage - V _{oc} (V)	61.3	61.5	61.6	61.7	61.8
	Short Circuit Current - I _{sc} (A)	7.11	7.14	7.17	7.2	7.23

Values at standard test conditions (STC-air mass AM 15, irradiance 1000 W/m², temperature 25°C), based on a production spread with a tolerance of P_{Max}, V_{ec} & L₂=33% within one wait class. Nominial models operating temperature (NMOT: air mass AM 15, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s). * Where xxx indicates the nominal power class (P_{Max}) at STC above.

MAXIMUM RATINGS	
Operational Temperature	

Operational Temperature	-40 °C - 85 °C
System Voltage	1000 V
Maximum Test Load (front)	+7000 Pa (713 kg/m²)
Maximum Test Load (rear)	-4000 Pa (407 kg/m²)
Max Series Fuse Rating	25 A
Max Reverse Current	25 A
*See in	stallation manual for mounting instructions. Design load = Test load / 1.5 (safety factor)

TEMPERATURE RATINGS*	
Nominal Module Operating Temperature	44°C±2°C
Temperature coefficient of P _{MAX}	-0.24%/°C
Temperature coefficient of V _{oc}	-0.24%/°C
Temperature coefficient of I _{sc}	0.04%/°C
*The temperature coefficients stated are linear values	

DELIVERY INFORMATION Panels ner Pallet

Panels per Pallet	33
Panels per 40 ft GP/high cube container	594 (18 Pallets)
Panels per 13.6 m truck	660 (20 Pallets)

Available from:

l (18 Pallets)	LOW LIGHT BEHAVIOUR
(20 Pallets)	Typical low irradiance perfo
	Efficiency (%)

Founded in 1996, REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power. As Solar's Most Trusted, REC is committed to high quality, innovation, and a low carbon footprint in the solar materials and solar panels it manufactures. Headquartered in Norway with operational headquarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.

ISO 11925-2 Ignitability (EN 13501-1 Class E) IEC 62321 Lead-free acc. to RoHS EU 863/2015 ISO 14001; ISO9001; IEC45001; IEC62941 Specifications subject to change without notice.

PM-DS-12-06-

Ref:

LeadFree take Sway WEEE-

Declare.

WARRANTY

	Standard	REC Pr	oTrust	
Installed by an REC Certified 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%	2
Annual Degradation	0.25%	0.25%	0.25%	
Power in Year 25	92%	92%	92%	2
The REC ProTrust Warranty is only available on panels purchased through an REC Certified Solar Professional installer. Warranty conditions apply. See www.recgroup.com for more details				P.00-4

ormance of module at STC:



REC Solar PTE. LTD. 20 Tuas South Ave. 14 Singapore 637312 post@recgroup.com www.recgroup.com

