RVA
RIBBLE VALLEY ARCHITECTURE

PLANNING STATEMENT

FOR

THE REMOVAL OF THE EXISTING REAR EXTENSION, ERECTION OF A REPLACEMENT SINGLE STOREY REAR EXTENSION

AT NO.95 MELLOR LANE,

MELLOR

Date: March 2023

1.0 INTRODUCTION

1.1 This Planning Statement has been prepared by Ribble Valley Architecture Ltd. on the behalf of our client Mr and Mrs Horton, it has been prepared as part of a householder planning application for the removal of the existing rear extension, erection of a replacement single storey rear extension, associated alterations including the incorporation of solar panels and a wind turbine.

1.2 This statement provides a description of the site and the proposed works, its compliance with the development plan and an assessment of other material considerations.

It is to be read in conjunction with the following planning drawings and documentation:

- 2284 – 01 Existing and Proposed Plans, Elevations and Visual
- 2284 - Site Location Plan
- 2284 - Block Plan

2.0 THE SITE

2.1 The property is a semi-detached dwelling built of stonework with areas with a rendered finish.

2.2 The property is located along Mellor Lane.

FIGURE 1: SITE LOCATION

3.0 PROPOSAL

3.1 The proposal facilitates to removal of the existing rear extension. The existing rear extension has a rendered external finish with a Perspex/corrugated roof covering.

FIGURE 2: PHOTO OF REAR EXTENSION TO BE REMOVED

3.2 The dwelling compromises of a two storey property with garden amenity areas to the front and rear and a detached garage.

3.3 The proposal compromises of a single storey rear extension to facilitate a garden room.

FIGURE 3: PROPOSED REAR EXTENSION VISUAL

3.4 The design has taken reference from the surrounding context to create a proposal that is in keeping with the existing property and area.

3.5 A limited palette of quality materials are used to enhance the positive visual impact of the design and to ensure the proposal is in keeping with the existing dwelling. The material selection for the extension match that of the existing dwelling with the rendered external finish.

3.6 The Proposal facilitates the incorporation of roof integrated solar panels (flush with roof covering), refer to appendix 1 for details.

3.7 In additional to the solar panels a 1kw Micro wind turbine is proposed located to the south of the site in the rear garden, refer to appendix 2 for details.

4.0 PLANNING HISTORY

4.1 The council's online planning register indicates there is no record of any previous planning history for No.95 Mellor Lane, Mellor.

5.0 DEVELOPMENT PLAN POLICY

5.1 Section 38(6) of the Planning and Compulsory Purchase Act 2004 states that decisions should be made in accordance with the development plan unless material considerations indicate otherwise. The Development Plan for the purposes of this application comprises the Ribble Valley Core Strategy (adopted 2014) and the National Planning Policy Framework (NPPF) (2021).

5.2 The following policies are of relevance to the proposal:

Policy DMG1: General Considerations

Policy DMH5: Residential and curtilage extension

6.0 EVALUATION

6.1 The main factors to be considered are:

- Visual amenity/external appearance
- Impact upon residential amenity

6.2 VISUAL APPEARANCE

The design and material selection will ensure that the proposal contributes positively to the existing dwelling and is in keeping with the area. The proposal complies with the requirements of policy DMH5 and DMG1.

6.3 IMPACT UPON RESIDENTIAL AMENITY

The proposal does not compromise the amenity of adjacent properties and would not result in a loss of light. The proposal complies with the requirements of policies DMG1 and DMH5 in this respect.

7.0 CONCLUSION

7.1 In summary the proposal which forms the basis of this householder planning application has been designed to subtly provide a positive visual impact for the site. The proposal does not compromise the amenity of adjacent properties and would not result in a loss of light. The proposal fully accords with the policies of the Core Strategy and the National Planning Policy Framework.

APPENDIX 1

Harvest the Sunshine

Mono

390W MBB Half-Cell Module

JAM60S20 365-390/MR Series

Introduction

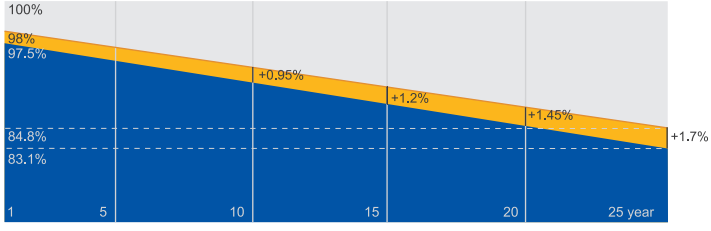
Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.

- Higher output power
- Lower LCOE
- Less shading and lower resistive loss
- Better mechanical loading tolerance

Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty

0.55% Annual Degradation Over 25 years



New linear power warranty Standard module linear power warranty

Comprehensive Certificates

- IEC 61215, IEC 61730,UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval

JA SOLAR

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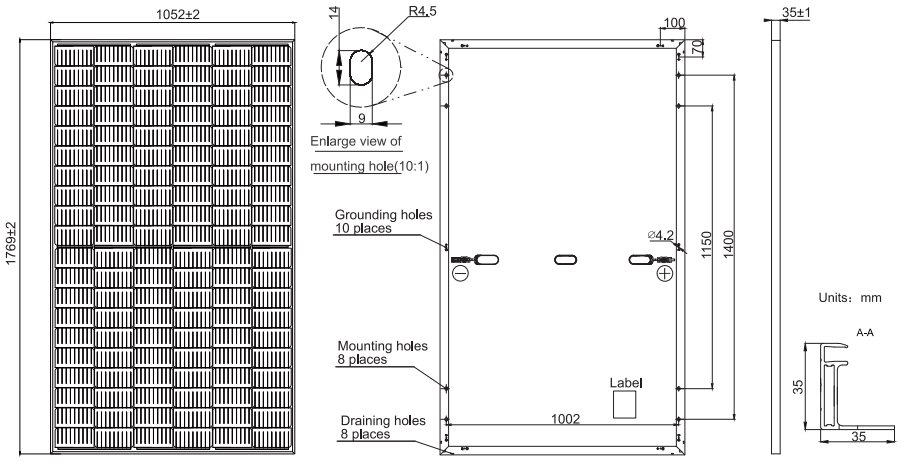
JAM60S20 365-390/MR Series

MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	20.5kg±3%
Dimensions	1769±2mm×1052±2mm×35±1mm
Cable Cross Section Size	4mm²（IEC）,12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3 diodes
Connector	MC4(1000V) MC4-EVO2(1500V)
Cable Length (Including Connector)	1200mm(+)/1200mm(-)
Packaging Configuration	31pcs/Pallet 806pcs/40ft Container

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60S20 -365/MR	JAM60S20 -370/MR	JAM60S20 -375/MR	JAM60S20 -380/MR	JAM60S20 -385/MR	JAM60S20 -390/MR
Rated Maximum Power(Pmax) [W]	365	370	375	380	385	390
Open Circuit Voltage(Voc) [V]	41.13	41.30	41.45	41.62	41.78	41.94
Maximum Power Voltage(Vmp) [V]	33.96	34.23	34.50	34.77	35.04	35.33
Short Circuit Current(Isc) [A]	11.30	11.35	11.41	11.47	11.53	11.58
Maximum Power Current(Imp) [A]	10.75	10.81	10.87	10.93	10.99	11.04
Module Efficiency [%]	19.6	19.9	20.2	20.4	20.7	21.0
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_Isc)	+0.044%/°C					
Temperature Coefficient of Voc(β_Voc)	-0.272%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.350%/°C					
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G					

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

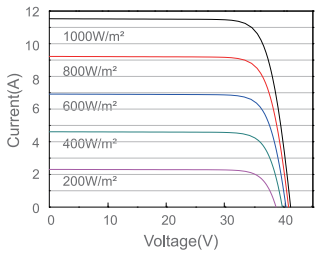
TYPE	JAM60S20 -365/MR	JAM60S20 -370/MR	JAM60S20 -375/MR	JAM60S20 -380/MR	JAM60S20 -385/MR	JAM60S20 -390/MR
Rated Max Power(Pmax) [W]	276	280	284	287	291	295
Open Circuit Voltage(Voc) [V]	38.41	38.65	38.89	39.14	39.38	39.63
Max Power Voltage(Vmp) [V]	32.05	32.30	32.55	32.72	32.96	33.20
Short Circuit Current(Isc) [A]	9.15	9.20	9.25	9.30	9.35	9.40
Max Power Current(Imp) [A]	8.61	8.66	8.71	8.78	8.83	8.88
NOCT	Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G					

OPERATING CONDITIONS

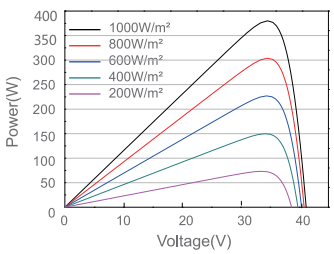
Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	20A
Maximum Static Load,Front	5400Pa（112 lb/ft²）
Maximum Static Load,Back	2400Pa（50 lb/ft²）
NOCT	45±2°C
Safety Class	Class Ⅱ
Fire Performance	UL Type 1

CHARACTERISTICS

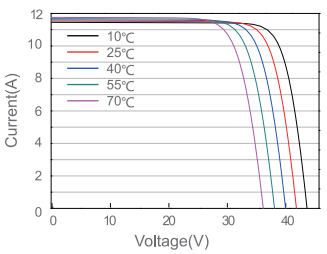
Current-Voltage Curve JAM60S20-380/MR



Power-Voltage Curve JAM60S20-380/MR



Current-Voltage Curve JAM60S20-380/MR



APPENDIX 2

FUTURENERGY

AirForce® 1

1kW MICRO WIND TURBINE SYSTEM

24V & 48V battery charging versions with AirForce® CONTROL

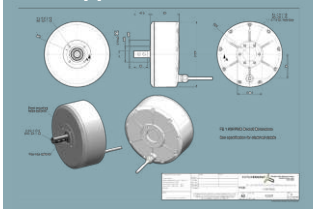
automatic stop - remote control – performance monitoring

Complete unit including Permanent Magnet Generator
designed and manufactured in the UK by FUTURENERGY

Installation examples: *off-grid locations – telecoms power – hybrid solutions – remote communities – deployed personnel support – oil or gas rigs – humanitarian aid - deployed untended equipment - agricultural buildings – boats and barges - pumping solutions - battery charging*

Designed and manufactured by FUTURENERGY in the UK

Permanent Magnet Generator optimised for wind applications



Worry free operation with *AirForce® control* protection

Fit for purpose
Highly dependable
Minimal maintenance
Long life in service
Quality and performance

CE

Key features:

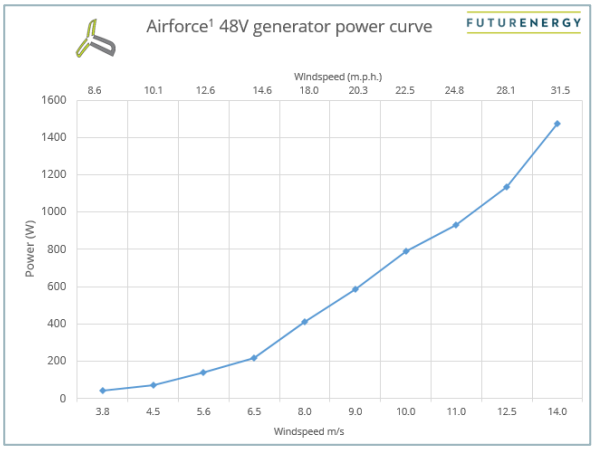
- *"Breakthrough in simplicity and usability"*
- ***Auto-stop*** based range of conditions including turbine rpm, wind speed or battery charge state
- Dump-load, charge controllers and rectifier ***not required***
- Reduce installed components and prolong battery life
- Simple electrical installation
- High-performance ***own design*** Permanent Magnet Generator (PMG)
- Web based portal for ***remote monitoring and control***
- Tough glass-reinforced-nylon turbine blades
- All bearings sealed for life
- Corrosion resistant materials throughout prolongs life-in-service
- 60 Amp rated slip-ring preventing cable twist
- Compatible with solar-wind hybrid installation
- Rugged, simple design, minimal maintenance
- System supply includes anemometer

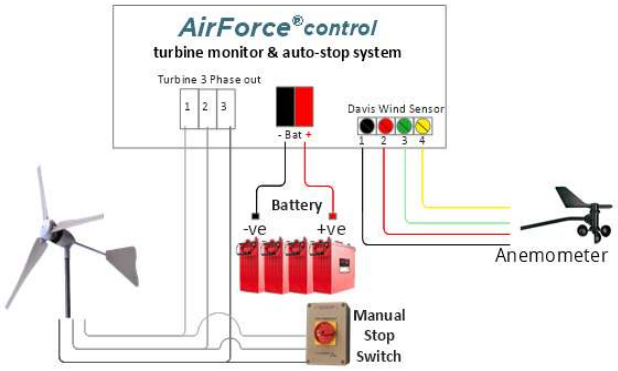
MADE IN BRITAIN

FUTURENERGY

AirForce®1 Technical Specifications

Nominal power output:	All versions 1000W
Start-up wind speed:	~3.5 m/s
Rated wind speed:	12.5m/s
Survival wind speed:	52m/s
Total weight:	19kg
Number of blades:	3 *(5 blade set option for lower wind areas)*
Rotor diameter:	1.8m
Rotor speed (RPM):	200 - 800
Generator type:	3-Phase AC Permanent Magnet
Output type:	3-Phase AC (rectified DC available on request)
Turbine mounting:	50mm tube to accept 48.3mm standard scaffold tube
Noise:	LAeq 35dB @ 5m/s wind speed measured behind rotor
	LAeq 54dB @ 7m/s wind speed measured behind rotor

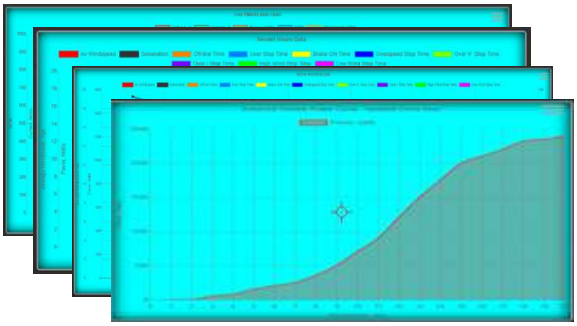




3-phase turbine battery charging example (48V)

Web based monitoring portal:

AirForce® control web



Trending and analysis

- Web-based portal provides remote control & configuration
- Display live output and trending of historical data
- Start and stop turbine on command
- User configurable to match local conditions

Accessories available:

- Guyed tower kit

For more information, contact:
VOLTACON UK LIMITED
Burnsall Road
Industrial Estate
Coventry. CV5 6BU
United Kingdom

www.voltacon.com

FUTURENERGY declares that this product complies with:
LV Directive 73 23 EEC
EMC Directive 89 336 EEC
Machinery Directive 98/37/EC
Fully ROHS compliant

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