

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. NESA-S003 (v1.0)

Approval date 22/01/2019

Approved by GM Technical Standards

Report no. NESA-S003

Report date 30/11/2018

This certificate is issued to

Supplier Off-Grid Energy Australia
3/62 Pym Street
Dudley Park SA 5008

In respect of

Manufacturer Off-Grid Energy Australia

Product description 'Off-Grid Energy Australia' Solar Power System

Item identification
Victron Multiplus 48/3000
Victron Smart Solar MPPT 150/35
Victron Colour Control
BAE PVV350
REC 295W solar modules.

Application 94.240km in the Tallarook to Seymour section of the ARTC Network

Relevant Standards n/a – backup power supply for NV non-signaling applications and systems

Condition of Approval:

General	1. Currently only for use with Wayside installed equipment. Further evaluation required for Signalling equipment.
Supplier / Manufacturer	2. A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS19011. 3. The supplier or manufacturer must advise ARTC of any changes made to the product or system which may alter its identification, performance characteristics, form, fit, function or processes required for correct usage so that this approval can be revised or reviewed. 4. All documentation and manuals from the supplier shall be in English. The Supplier shall advise of any updates to the documents.
Design / Installation / Maintenance	5. The equipment within the housing must be fitted with a readily visible label stating the Equipment Serial Number, Version Number, manufacturer's identification and date of manufacture. 6. Permitted for use in existing installations. 7. System battery maintenance in accordance with TMP and maintenance service schedule / standard job S09311 – 'Battery Supply DC No Break'.

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	<ol style="list-style-type: none">8. Installation, commissioning and servicing shall be carried out as per manufacturer recommendation defined in the relevant Technical Manual.9. Smoking is NOT allowed within the system housing, or whilst working on outdoor equipment.10. Personnel Protective Equipment (PPE) must be worn whenever handling the batteries (gloves, glasses, etc.).11. Mechanical aids to be considered when moving equipment, batteries or cells.12. Non-metallic or insulated tools and cleaning equipment must be used during the maintenance of battery banks.13. Life expired batteries are only to be disposed of through a battery recycling organisation or returned to the local supplier.
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Note/Comments

NIL.

Issue date 29/01/2019

Expiry date N/A

Issued by



John Furness

ARTC Manager Standards