

## 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:**

<b>General</b>	1. Currently only for use with Wayside installed equipment. Further evaluation required for Signalling equipment.
<b>Supplier / Manufacturer</b>	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.
<b>Design / Installation / Maintenance</b>	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"><li>8. Installation, commissioning and servicing shall be carried out as per manufacturer recommendation defined in the relevant Technical Manual.</li><li>9. Smoking is NOT allowed within the system housing, or whilst working on outdoor equipment.</li><li>10. Personnel Protective Equipment (PPE) must be worn whenever handling the batteries (gloves, glasses, etc.).</li><li>11. Mechanical aids to be considered when moving equipment, batteries or cells.</li><li>12. Non-metallic or insulated tools and cleaning equipment must be used during the maintenance of battery banks.</li><li>13. Life expired batteries are only to be disposed of through a battery recycling organisation or returned to the local supplier.</li></ol>
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**Note/Comments**

NIL.

**Issue date** 29/01/2019

**Expiry date** N/A

**Issued by**



**John Furness**

**ARTC Manager Standards**