PLEASE COMPLETE THIS DOCUMENT IN FULL AND HAND IT TO YOUR DISTRIBUTOR, SALES AGENT AND OR DC REBEL WITH THE INSTALL OF ANY DC REBEL SUPPLIED PRODUCTS TO ENSURE SAFETY AND ELECTRICAL CHECKS ON EQUIPMENT PRIOR TO ANY INSTALLATION COMMISIONING IS ON REQUESTED STANDARD PROTOCOL AS DETAILED BELOW

(CoC) NO. ……	**Test Report for DB/supply:** _____ Test Report number ____ of _____ total reports	**Date of issue:** ……..

THIS DOCUMENT WILL SERVE AS A DC COC IN ACCORDANCE TO SANS 10142-1- 2 AS GUIDELINE TO ENSURE WARRANTY

NOTE 1 In terms of South African legislation, the user or lessor is responsible for the safety of the electrical installation
NOTE 2 This report covers only the part of the installation described in section 3.
NOTE 3 This report covers the circuits for fixed appliances, but does not cover the actual appliances, for example inverters, panels etc.
NOTE 4: This report is the minimum documentation and additional documentation may be required

SECTION 1 – LOCATION (Only required if not provided on Certificate of Compliance)

Physical address: .....
Name of building: .....

SECTION 2 – INSTALLATION

Name and Serial number of Inverter:

Type of SSEG installed:	Total Size of SSEG:		kVA	Number of Phases:
Voltage of Grid supply:	☐ 230 V	☐ 400 V	☐ 525 V	☐ Other:..... V
Output Voltage Of SSEG:	☐ 230 V	☐ 400 V	☐ 525 V	☐ Other:..... V
DC Voltage Rating:	☐ 12 V	☐ 48 V		☐ Other:..... V
Number of phases:	☐ One	☐ Two	☐ Three	
Phase rotation	☐ Clockwise	☐ Anticlockwise		
Frequency:	☐ 50 Hz	☐ Other:……..	☐ d.c.	

Point of Control for alternative supply:

☐ Switch disconnector (on-load isolator) ☐ Fuse switch ☐ Circuit-breaker
☐ Earth leakage circuit-breaker ☐ Earth leakage switch disconnector ☐ 30 mA ☐ Other ……mA
Number of poles: …. Current rating: ……A Short-circuit/withstand rating: ……kA
Lightning Risk assessment completed ☐ Yes ☐ No ☐ N/A or Not required
Anti Islanding operation and set correctly? ☐ Yes ☐ No
Earth continuity conductors connected to main earth? ☐ Yes ☐ No
Electrical installation CoC and Test report attached? ☐ Yes ☐ No
Single Line Diagram (schematic drawing) attached ☐ Yes ☐ No
Accessible disconnector/ DGSL installed for supplier? ☐ Yes ☐ No ☐ N/A or Not required

SECTION 3 - DESCRIPTION OF INSTALLATION COVERED BY THIS REPORT (Add additional pages, specification references or drawings, etc., where applicable)

Number of circuits or points	**Number of**	**Safety Devices**	**Number of and rating:**
Number of panels/modules		AC Disconnectors	
Number of panels/modules in series		RCD Protection	
Number of parallel strings		DGSL/ Disconnect device	
Storage units installed		DC Overcurrent devices	
Storage units in parallel		DC Disconnectors	
Storage units in series		Other	
DC Combiner box		**Documents (reference/ attachment numbers):**	
Other			
Other		Single Line diagram number	
Other		Additional documentation	
Other		Additional documentation	

SECTION 4 - INSPECTION AND TESTS (new and existing installations)

Mark as Appropriate		**Yes**	**No**	**N/A**
1	Equipment has been correctly sized and installed in accordance with manufacturer's instructions.	☐	☐	☐
2	Supplier bylaws and requirements adhered to	☐	☐	☐
3	Disconnecting devices for equipment and safety purposes installed in accordance with the requirements	☐	☐	☐
4	Labelling as per the requirements laid out in the standards	☐	☐	☐

	Tests	**Units**	**Reading/result**
1	Continuity of bonding (PV panels, conductive frames ETC.)		Compliant ☐
2	Resistance of earth continuity conductor at all points of consumption.		Compliant ☐
3	Open Circuit Voltage of Storage System	V	
4	Charging voltage of storage system		
5	Neutral loop impedance test: at main or local switch to SSEG	Ω	
6	Prospective short-circuit current at main or local switch (PSCC) to SSEG	kA	__ kA ☐ Calculated ☐ Measured
7	Elevated voltage between incoming neutral and external earth (ground)	V	
8	Insulation resistance of AC conductors	MΩ	
9	Insulation resistance of DC conductors		
10	Voltage at distribution board (alternative supply) with no load for each phase to neutral	V	R Y B
11	Voltage at distribution board (alternative supply) with load (as calculated for full load) for each phase to neutral	V	R Y B
12	Open Circuit voltage of PV strings	V	
13	On-Load voltage of PV Strings	-	
14	Prospective short-circuit current (PSCC) of Battery banks ☐ Calculated ☐ Measured ☐ Supplier/manufacturer	kA	
15	Polarity of DC Cables	-	correct ☐
16	All switching devices, make-and-break circuits	-	correct ☐
17	Grid connect/disconnect requirements are complied with. Does point of source isolation operate as required as per 5.3.4	-	correct ☐

Comments: .....

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Comments on parts of the installation not covered by this report: .....

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SECTION 5 RESPONSIBILITY.

INSPECTION AND TESTS I, being the person responsible for the INSPECTION AND TESTING of the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the inspection and testing were done in accordance with this part of SANS 10142, that the results obtained and reflected on this report are correct, and indicate compliance
The extent of liability of the signatory is limited to the installation described in section 3 of this form.

Name of registered person: ……..
Type of registration: Master installation electrician ☐ Installation electrician ☐ Single-phase tester ☐
Registration Certificate No.: ……

Signature: …… Date: …… Tel No.: ……