

# DECLARATION OF CONFORMITY - DESIGN VERIFICATION

Reference: AS/NZS: 61439.1:2016, Annex D Table D.  
Table D1 - 1 List of design verification to be performed

**SRS Power Pty Ltd**  
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PROJECT	JOB No	ITEM	PROJECT MANAGER

No	Characteristic to be verified	Clause or subclause	Verification Options available			Status	Test Report /Comments
			Test	Comparison	Assessment		
1	Strength of material and parts:	10.2					
	• Resistance to corrosion	10.2.2	YES	NO	NO		
	• Properties of insulating materials:	10.2.3					
	• Thermal stability	10.2.3.1	YES	NO	NO		
	• Resistance to abnormal heat and fire due to internal electric effects	10.2.3.2	YES	NO	YES		
	• Resistance to UV radiation	10.2.4	YES	NO	YES		
	• Lifting	10.2.5	YES	NO	NO		
	• Mechanical impact	10.2.6	YES	NO	NO		
	• Marking	10.2.7	YES	NO	NO		
2	Degree of protection of enclosures	10.3	YES	NO	YES		
3	Clearance	10.4	YES	NO	NO		
4	Creepage distances	10.4	YES	NO	NO		
5	Protection against electric shock and integrity of protective circuits:	10.5					
	• Effective continuity between the exposed conductive part of the assembly and the protective circuit	10.5.2	YES	NO	NO		
	• Short circuit withstand strength of the protective circuit.	10.5.3	YES	YES	NO		
6	Incorporating of switching devices and components	10.6	NO	NO	YES		
7	Internal electrical circuits and connections	10.7	NO	NO	YES		
8	Terminals for external conductors	10.8	NO	NO	YES		
9	Dielectric properties:	10.9					
	• Power-frequency withstand voltage	10.9.2	YES	NO	NO		
	• Impulse withstand voltage	10.9.3	YES	NO	YES		
10	Temperature-rise limits	10.1	YES	YES	YES		
11	Short-circuit withstand strength	10.11	YES	YES	NO		
12	Electro magnetic compatibility (EMC)	10.12	YES	NO	YES		
13	Mechanical operation	10.13	YES	NO	NO		

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Date: \_\_\_\_\_