

SWH CONFORMITY REPORT

Validity: 2014-04-29

Summary of test results for the Powerzon Solar Systems (Pty) Ltd domestic solar system in accordance with SANS 1307 and SANS 6211-1

Report Number: **SANS 6211-1** **13S007 c**
 SANS 1307 **13S007 a**

This is not a SABS approved product; it has only been tested by the SABS.

SAMPLE INFORMATION:	
Manufacture	Powerzon Solar Systems (Pty) Ltd
Suppliers Contact details	Tel: 011 965 0127 email: justin@powerzon.co.za
Water storage tank	300 Lt 400 kPa
Type of System	Direct cannot withstand frost, coastal installation only
Type of operation	Thermosiphon system
Type of Tank	WE Solartherm geyser
Type of Collector	2 x Blue selective flat plate collector 2 x 8 = (16) copper risers.
Heat transfer fluid	Not Applicable
Collector Aperture Area m ²	2 x 2m ² = (4m ²)
Q factor	40.9 At 16MJ/m ² with temperature difference of 10°C

Compliance to this section is Compulsory	
Element* kW	SANS 181 Satchwell
Pressure Control Valve*	SANS 198 Not Supplied
Safety Valve*	SANS 198 Comply 400 kPa, Reliance
Vacuum breaker*	SANS 198 Not Supplied
Drain Cock*	SANS 1808-53, SW

* Needs to be tested to a national standard

	Tests conducted:	Specification, Clause	Result:
1	Stagnation test (Exposure Test)	SANS 1307- 5.2	Complied
2	Rain Penetration	SANS 1307- 4.11.1	Complied
3	Hail Test: 11J ² 1J	SANS 1307- 4.11.2	Complied
4	Freeze Test	SANS 1307- 4.11.3	Not Applicable Coastal Installation
5	250 000 Pulsation test	SANS 1307- 4.11.4	Complied
6	Marking	SANS 1307- 6.1	Complied
7	Thermal performance- Q factor	SANS 6211-1 5.5	Complied
8	Heat loss	SANS 6211-1 5.7	Complied
9	Fixed electric storage water heaters	SANS 151	W.E. (Mark Holder)
10	Safety of household and similar electrical appliances - Part 2: Particular requirements for storage water heaters.	SANS 60335-2-21 SANS 1307 4.11.6	W.E. (Mark Holder)
11	Production standard	ISO 9001	-
	Remarks:		

 Test Officer: C. Tshilo  Technical Specialist: K.C.F. Deist



KAREL DEIST
TECHNICAL SPECIALIST
STAFF No: 20070

 This information was supplied by the supplier.
 This document does not imply in any way that the system is SABS approved.