



ELECTRONICS AND QUALITY DEVELOPMENT CENTRE

(Under STQC Programme, DIT, Ministry of Commn. & Information Technology, Govt. of India)

(B-177/178, GIDC Electronics Estate, Sector-25, Gandhinagar - 382 024, Gujarat.)

REPORT NO.: EQP/G-0353/0363/2010

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TEST REPORT

Service Request No. : G-0353/2010	Date : 19/05/2010		
Name & Address of the Manufacturer	M/s. Suvik Electronics Pvt. Ltd. Plot No. 102/A, GIDC Engineering Estate, Sector-28, Gandhinagar-382028		
DESCRIPTION/ IDENTIFICATION OF THE ITEM			
Nomenclature	ONLINE UPS 6 kVA / 4.2 kW		
Make/ Model/ Type	SUVIK / HP 960C		
Serial No.(s)	07051025572		
Quantity/ No. Of samples	One		
Date of receipt of item	12/05/2010		
Date of completion of test(s)	19/05/2010		
Date of Issue (Test Report)	19/05/2010		
Condition of equipment/Material on receipt	Good		
Location where test is performed	LAB, EQDC Gandhinagar		
Test Specification	As per Customer Requirements		
Test procedure reference:	TEST-EQP/036		
Test facilities used:			
Nomenclature	Make / Model	Sl. Number	Calibration Due Date
Digital Multimeter	Fluke / 289	010990077	26/11/2010
AC/DC current Clamp	Fluke / i410	98100128	30/11/2010
Single & Three Phase Power Quality Analyzer	Fluke / 434	DM910008	19/07/2010
Load Panel	Yogeshwar /-	--	--



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TEST RESULT

A) EUT Description:

System Capability : 6 kVA / 240 VDC (as mentioned by the customer)
Input Voltage : 230 VAC / 50 Hz
Output Voltage : 230VAC / 50 Hz
DC Voltage : 240 VDC

B) Test Observation:

The EUT was tested with 4200W resistive load

Sr. No.	Test / Parameters	Test Observation
1	Input Voltage	230 V AC
2	Input Current	21.2 A
3	Input Frequency	49.8 Hz
4	Input Waveform	Sinusoidal Wave
5	Input Power factor	0.99
6	Output Voltage	229.6 V AC
7	Voltage regulation	229-230 V AC for the I/P voltage range 170 V - 270 V
8	Output Current	18.4 A
9	Output Frequency	49.68 Hz
10	Output Power Factor	1.00
11	Output Waveform	Sinusoidal Wave
12	Total Harmonic Distortion	2.0 % (4200W Resistive Load)
13	Overall efficiency	87.6 %
14	Battery Voltage	270 V DC
15	Static Bypass Switch	Provided
16	Short Circuit Test	OK
17	Indicators	Mains ON, Inverter ON, Inverter OFF, Low Battery & Fault Indication were provided
18	Metering	Input Voltage / Frequency, Output Voltage / Frequency /Power, Internal temperature, Battery Level, Battery level in percentage were provided
19	Audible Alarm	Battery low, Bypass mode, Inverter Fault alarm Was provided

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NOTE :

1. This report refers only to particular item(s)/ equipment(s) submitted for testing.
2. This report shall not be reproduced except in full without the written approval from Director, EQDC (Gandhinagar).
3. The test result reported are valid at the time of and under the stated condition of measurement.
4. Only the test asked for by the party have been carried out.
5. Any anomalies/ discrepancies in this report should be brought to our notice within 45 days from the date of issue of this report.

Authorised Signatory :

Name : H. G. Chavda

Designation : Engineer

Issued by :

Name : Nikhil Siljiya

Designation : CSC- InCharge



Prepared By :