

INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

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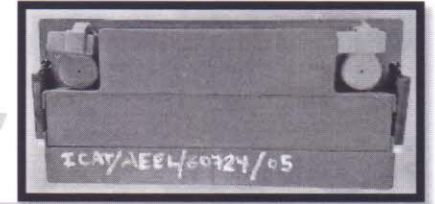
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TEST REPORT


Test Report No.: CT0BN5303


Date: 25.10.2018

- 1.0 **NAME AND ADDRESS OF THE: CUSTOMER** : M/s. Okaya Power Pvt. Limited,
D7, Udyog Nagar, Rohtak Road, New Delhi-110041
- 1.1 **NAME AND ADDRESS OF THE: MANUFACTURER** : M/s. Fujikawa Power
Vill. Handa Kundi, Tehsil Nalagarh, Distt. Solan, Himachal Pradesh
- 2.0 **CUSTOMER LETTER REF** : IOCS No. CCTNOKYANGEEG60724 Dated 12-Jun-2018
- 3.0 **DESCRIPTION OF DEVICE UNDER TEST (DUT):**
- DUT Name : Battery Module, 12 V
 Battery Type : Lead Acid Battery
 Battery Capacity(Ah) : 115Ah (Ah in 5 hrs)
 Rated Voltage : 12 Volt DC
 Id/Model No. : OW ER 1400 PLUS
 Quantity : 06 Nos.
 (ICAT/AEEL /60724/01-06)
- Trade Name : Okaya
 Drawing No. : DW-860-00
- 4.0 **DATE OF RECEIPT OF SAMPLE** : 26.09.2018
- 5.0 **CONDITION OF SAMPLE** : No Physical Damage observed
- 6.0 **TEST OBJECTIVE:**
To validate the Safety Requirements of Traction Batteries as per AIS: 048 amended up to date
- 7.0 **TEST METHOD:** Test method referred from AIS: 048 as amended up to date.
- 8.0 **FUNCTIONAL VERIFICATION:** Functional verification done and battery was found satisfactory
- 9.0 **CONCLUSION:**
The battery specified in Sr. No. 3.0 of this test report met all the test requirements when tested as per AIS: 048 amended up to date as mentioned in Annexure No. 1 of this report.
- 10.0 **TEST DISCRPTION:** Please refer the Annexure No. 1 of this report.
- 11.0 **DATE OF PERFORMANCE OF TEST:** Please refer the Annexure No. 1 of this report.
- 12.0 **TEST RESULTS:**
Please refer the Test requirements and Results in Annexure-I of this report.



Prepared By	Checked By	Approved By
		
UDIT KAUL Asst. Manager	MAHENDAR PAL Asst. General Manager	PAMELA TIKKU Sr. General Manager








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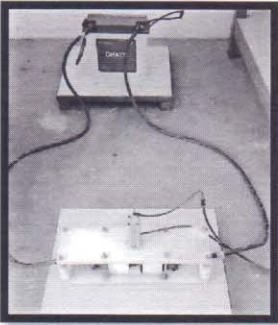
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Prepared By		Checked By	Page 2 of 7 + Dwg(01) [60724]
			
UDIT KAUL Asst. Manager		MAHENDAR PAL Asst. General Manager	

Annexure – I

1.0 TEST REQUIREMENTS AND RESULTS:

Cl. No.	Test	Test Description	Observations/Results
2.1 Electrical Tests			
2.1.1	<p>Short Circuit test (Test ID:ICAT/AEEL/60724/01) Date of Test : 01.10.2018</p>	 <p>Battery Condition: Fully charged (100% SOC), contained at ambient temperature. Apply a hard short in less than one second to the battery module with a conductor specified in the standard. Test Duration: 10 minutes, or until another condition occurs which prevents completion of test (i.e. component melting, etc.) Lab temperature: Not exceeding 30°C Acceptance Criteria: After 2 hours of observation: At the end of the test, there shall be no: a) Physical damage to the casing or mechanical parts. b) Melting of components. c) Fire or explosion. It is acceptable for the battery to become dry at the end of the test.</p>	<p>Ambient temperature : 25°C</p> <p>Conductor of $\leq 5m\Omega$ was used and short was applied for 10 minutes.</p> <p>No physical damage, explosion or melting observed.</p> <p>Satisfactory.</p>

<p>Prepared By</p>  <p>UDIT KAUL Asst. Manager</p>		<p>Checked By</p>  <p>MAHENDAR PAL Asst. General Manager</p>
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