

Plot No. N-47, Sector-5, Bawana Industrial Area, DSIDC, Bawana, Delhi-110039 Ph.: 011-45042471, +91-9871727340 Email: iectestlabs@gmail.com



Web.: www.iectestlabs.com

Discipline: E	lectrical TEST LABS LLP TECTES TEA		& Batteries	P IEC TEST LABS LI
Location of testing Performance of the		IEC Test Labs L	The second secon	P IECTEST LABS L
Laboratory & its address: STLABS LLP IECTEST LAB				
LLP IECTEST LABSILP IECTEST LABSILP IECTEST LAB		Ground Floor, Plot No.N-47, Pkt.N Sector-5, Bawana Industrial Area, DSIDC, Bawana Delhi-110039		
Test Specification: JEC TEST LABS LLP JEC TEST LAB		BS LEC 61427-1:2013 DEC TEST LABS LIP DEC TEST LABS LIP		
Report No. :	IEC/N24121808 S LLP IEC TEST LA	Issue Date: ABS LLP	31/12/2024	P IEC TEST LABS L
ULR No.:	ULR-TC891724000002057F	No. of Pages	Page 1 of 4	P IECTESTIABSI
Name & Conta	ct Address of Applicant &	INTERLIGHT TECH		RIVATELIMITED
Manufacturer:	WILE FORTEST ABOUT BUTTERT A	KHASRA NUMBER	6295/1795/2	/AKIA RAKBA
		SULTANWIND, ABA	DI FREEDOM	NAGAR SANT
LLP TEG [EST LAB	SILP TEGTEST LABSILP TEGTEST LAI	AVENUE, AMRITSAR, PUNJAB 143001		
	ICULARS OF SAMPLE SUBMIT	FED BY CUSTOMER	IEC TEST LAUS E	P IEU JEO LABOL
a) Sample Na		LEAD ACID TUBULA	AR BATTERY	for Solar
LP IECTEST LAB		Application LABS LLP	IEC TEST LABS L	P JECTEST LABS L
b) Sample De (Rating/Class	/Type, etc):	12V ,75Ah@C10	IEC TEST LABS L	P TECTEST LABS D
c) Model Nur		LARS IL 75 CTESTIARS II PIECTESTIARS II PIECTESTIARS II		
d) Trade mark: SLLP TECTEST LABSTLP TECTEST LAB		INTERLEG	HT STLABS L	LP IECTEST LABS L
e) Quantity of	Sample: TEST LABS LLP TECTEST LA	O1	RY EXPERTS LABS L	LP TECTEST LABS L
f) Condition of Sample when received:		OK / Not OK	COTEST LABS	P IFO TEST LABS L
g) Document Number:		7.8F-01	EC TEST	(株中 計画 su
	ceipt of Sample:			A SECURISION
i) Job Order N		18/12/2024		Park Charles
	nmencement of Testing:	N24121808		1.30 803):
	npletion of Testing:	18/12/2024		7 4374
The state of the s	ntal Conditions:	20/12/2024		
		25°C ± 5°C	TESTINES	I In a law separate
	Reference Number:	DO DO TEO TEO E ADDITION	TENTENT LABOR	D IDO TOTAL CAROL
	ers to the Sample Received at:	Permanent Facility		
	Sr. No. / Batch No/Date of	Yes / No st labs lip leg test labs lip leg test labs l		
Manufacturer	/Seal & IO's sign, if any	LABS 2024 ECTEST LABS LLP JECTEST LABS		
	Information, if any:	BALLE JECTEST LABSLIE	JECTEST LABS L	LP JEC TEST LABS L
and the second of the second o	PLEMENTARY INFORMATIONS	RS LIP JECTEST LARS LIP	JEG TEST LARS L	LP JECTEST LARS 1
	to sampling procedure, whereve		JECTESTI ARSI	P P N/A ARS
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or photographs, as appropriate to test report, if any [To be attached]:			t report, if	See attachmen No.1
c) Deviation from the test methods as prescribed in relevant ISS/ winstructions,			ork LABS L	P TEC TENIL ABOU

Tested by:	Approved by / Reviewed By / Authorized Signatory:	P ISSUED BY: LLP TEGTEST LABSILE
S LLP IEC TEST LABS LLP EC T S LLP IEC TEST ABS LLP IEC T	EST LABS LLP IEC TEST LABS LLP IFO TEST LABS LL TEST LABS LLP IEC TEST LABS LLP IEC TEST LABS LLP	LP EC TEST LABS LLP FEC EST LABS LLP
SLLP IECTE Parveen SLLP (Sr. Testing Enginee	r) TLAES LLP IEO (Technical Manager)	Manish Jadon (CEO)
BSILP IE Date: 31/12/2024	EST LAES LLP IEG TE Date: 31/12/2024 TILABS LL	Date: 31/12/2024





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TEST REPORT

Report No: IEC/ N24121808 C TEST LABS LLP IECT
Dated: 31/12/2024

Discipline Name: Electrical TEST LA

IEC 61427-1: 2013

Page 2 of 4 ULR-TC891724000002057F

Group Name: Cells & Batteries

SI. No.	Requirement + Tes	Measured Value/ observations TLABS LLP JEC TEST LABS L	Verdicts LABS LLP IECTES
ST LABS 1LP	Capacity Test	Standard to be Referred for testing: IEC 60896-11:	Complied
ST LABS LLP	(C. No.8.1	Test cell or batteries shall be prepared in accordance with	LP TECTEST LABSILLP TECTES
ST LABS LLP	IEC 61427-1)	Clause_13.ec test labs llp lec test labs llp lec test labs l	LP IECTEST LABS LLP IECTES
ST LABS LLP	IECTEST LABS LLP IECT	EST LABS LLP JECTEST LABS LLP JECTEST LABS LLP JECTEST LABS L	The average electrolyte
ST LABS LLP	IECTEST LABS LLP IECT	In order to facilitate temperature of each pilot cell shall be read immediately prior to discharge. The individual	temperature: 25.7°C.
ST LABS LLP	IECTEST LABS LLP IECT	readings shall be between 15°C and 30°C.	LP IECTEST LABS LLP IECTES
ST LABS LLP	IECTEST LABS LLP IECT	The average initial temperature V is calculated as the	LP TECTEST LABSILE TECTES
ST LABS LLP	IECTEST LABS LLP (ECT	arithmetic mean of the individual values. The ambient ABS L	P TECTEST LABSILE TECTES
ST LABS LLP	TECTEST LABSILLE TECT	temperature shall be maintained between 15°C and 30°C.	LP TECTEST LABSILE TECTES
ST LABS LLP	JEC TEST LABS LLP JECT	Within 1h to 24h after the end of charging, the cells or the	
BT LABS LLP	IEC TEST LABS LLP	battery shall be subjected to a discharge current. This current shall be maintained constant within	battery subjected to
ST LABS LLP	IEG TEST LABS	±1%throughout the whole discharge time. During	discharging.
ST LABS LLP	IEC TEST LAB	discharging manual adjustments may be necessary. In BS L	IP IECTEST LABS LLP IECTES
ST LABS LLP	IEC TEST LABS	these circumstances deviations of the discharge current	IP IECTEST LABSILP IECTES
ST LABS LLP	IEC TEST LABS LE	shall be tolerated, provided they are within ±5% of the	P JECTEST LABSILE JECTES
ST LABS LLP	JEC TEST LABS LLP JEC	specified value. The voltage between the terminal of the	P JEGTESTLABSILP JEGTES
ST LABS LLP	IECTESTIABS LIP IECT	cells or the battery shall either be recorded automatically	IP IECTESTIABSLIP IECTES
STILABS LLP	IECTEST LARS LIP IECT	against time or taken by reading from a voltmeter .In the latter case, readings shall be made at least 25%.50% and	THE TEST LARS LLP. JEC TES
ST LABS LLP	TECTESTIARS LID SECT	80% of the calculated discharge time: 85 LLP 150 TEST LABS	The Discharging time
STILABS LLP	TECTESTIABS LID TECT	EST LABS LLP IEC TÉST LABS LLP IEC TEST L. t = Crt IE (h)EST LABS L	observed on first cycle: 9.91Hour LABS LLP IEC TES
ST LABS LLP	TO TEST ABOUT DEST	And then at suitable time intervals, which permits the ABS L	P IEC TESTI ABS LID IEC TES
ST LABS LLP	TEOTEOTIABOLIS TEOT	detection of the transition to the final discharge voltage Uf.	ID IECTEST LABOLLY IECTES
	TECTEST ABOUT TECT	estians up leg testians up leg testians un × Uf (V) lars u	ID IECTECTIABOLD IECTES
ST LABS LLP	TED TEST LABS LLP TED T	Where n is the number of cell The discharge time shall be	IP IEG TEST LABS LLP IEG TES
ST LABS LLP	TECTEST LABSILP TECT	noted. The tests shall be terminated when the average	Final voltage:
ST LABS LLP	TECTEST LABS LLP TECT	voltage is reached or a cell or monobloc has reached a	6x1.8=10.8 ABS LLP IEC TES
ST LABS LLP	IECTEST LABSILLP IECT	voltage of U = Uf-200 mV pc or, in the case of UST LABS L	UP TECTEST LABSILLY TECTES
ST LABS LLP	JECTEST LABSILP JECT	ES MONOBLOCS WITH IN CELLS LLP HECTEST LABS LLP HECTEST LABS L	IP IECTEST LABS LLP IECTES
ST LABS LLP	IECTEST LABS LLP IECT	Leg Labsup iec test Labsup iec test Labsup $U=Uf_{-}\sqrt{n \times 200 mV}$	LP IECTEST LABSILP IECTES
ST LABS LLP	IECTEST LABS LLP IECT	EST LABSILP TECTEST LABSILP TECTEST VABSILIP TECTEST LABSI	IP TECTEST LABSILIP TECTES
ST LABS LLP	IEC TEST LABS LLP IEC T	The measured capacity C(Ah) at the initial average	LP TECTEST LABS LLP TECTES
ST LABS LLP	IECTEST LABS LLP IECT	temperature V is calculated as the product of the discharge	P IECTEST LABS LLP IECTES
ST LABS LLP	IECTEST LABSILP IECT	current (in amperes) and the discharge time in (hours) If	LP IECTEST LABSILP IECTES
ST LABS LLP	IECTEST LABS LLP IECT	the initial average temperature v is different from the LABS L	IP TECTEST LABSILIP TECTES
ST LABS LLP	IEC TEST LABS LLP IECT	reference temperature (20°C or 25°C), S LLP JEG TEST LABS L	LP RECITEST LABSILE RECITES
ST LABS LLP	IECTEST LABS LLP IECT	ESTLABSILP LECTÉSTIABSILP LECTESTIABSILP LECTESTIABSI	LP TECTEST LABSILLE TECTES
STLABSILE	TEC TEST LABS LLP HEC T	EST LABSILIP JEGITEST LABSILIP JEGITEST LABSILIP JEGITEST LABSIL	P JEC TEST LABS LLP JEC TES





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Dated: 31/12/2024	IEC 61427-1: 2013	ULR-TC891724000002057F
Discipline Name: Electrical ECTEST LA	BS LLP IEC TEST LABS LLP IEC TEST LABS LLP	Group Name: Cells & Batteries

SI. No.	Requirement	+ Test	Measured Value/ observations TLABSILE LECTESTIABSIL	Verdict P	
EC TEST LABS LLP	IEC TEST LABS LLP		the measured capacity shall be corrected by means of the	P IECTEST LABS LLP IE	
IEC TEST LABS LLP	IEC TEST LABS LLP		following equation to obtained the actual capacity Ca at the	P TEC TEST LABS LLP TE	O
EC TEST LABS LLP	IEC TEST LABS LLP		chosen reference temperature of 20°C or 25°C. $Ca20^{\circ}C = C/[1+\lambda(v-20^{\circ}C)]$ Ah	P IEC TEST LABS LLP IE	ď
IEC TEST LABSILE	JEC TEST LABS LLP		LABS LLP TECTEST LABS LLP TECTEST LABS LLP TECTEST LABS LL	P IECTEST LABS LLP IE	0
IEC TEST LABS LLP	IEC TEST LABS LLP		LABSILP IECTEST LABSILORECTEST LABSILP IECTEST LABSIL	@25°C= 75.85Ah	
IEC TEST LABS LLP	IEC TEST LABS LLP		LABS LLP IE(Ca25°C=C/[F+\(v-25°C)] IEO TEAH ABS LL	P JECTEST LABSILP JE	
IEC TEST LABS LLP	IEC TEST LABS LLP		LABSILP JECTEST LABSILP JECTEST LABSILP JECTEST LABSIL	On first cycle 99.09%	
EC TEST LABS LLP	IEC TEST LABS LLP		LABSILP FECTERT LABSILP FECTEST LABSILP FECTEST LABSIL	capacity observed of	
IEC TEST LABS LLP	IEC TEST LABS LLP		The coefficient //shall be taken as 0.006 for discharge	rated capacity	
IEC TEST LABS LLP	IEC TEST LABS LLP		slower than the 3h rate and 0.01 with discharges with faster rates.	P IECTEST LABS LLP IE	
IEC TEST LABS LLP	IEC TEST LABS LLP		The cell or battery shall be recharged in accordance with	P IEC TEST LABS LLP IE	
EC TEST LABS LUP	IEC TEST LABS LLP		Clause 13. TEST LABS LLP TECTEST LABS LLP TEGTEST LABS LL	100% percent rated capacity observed on	0
EC TEST LABS LLP	IEC TEST LABS LLP		A new battery being repeatedly discharged and charged in	2 nd cycle.	C
IEC TEST LABS LLP	IEC TEST LABS		accordance with 14.3 to 14.9 shall supply at least ST LABS LI	P IEG TEST LABS LLP IE	
IEC TEST LABS LLP	IEC TEST LAB		Ca= 0.95 Crt at the first cycle	P IECTESTLABSILP IE	
IEC TEST LABS LLP	IEC TEST LAB		Ca= Crt at the fifth cycle.	P IECTEST LABS LLP IE	C
IEC TEST LABS LLP	IEC TEST LABS LA		ABSILP IECTE BS TAB. TESTLABSIL	P TECTEST LABSILE TE	

S	able:1 for test labsilp for					
S	rlabsilp ie Test labsilp ied tlabsilp iedtestlabsilp ied	TEST LA Capacity declared by TEST L	BEDischarge capacity observed in Castle leg test Labs LLP leg test Labs LLP leg			
S	Capacity Test at 25°C	TEST LABS LLP TECT TE 75Ah@C10	75.85Ah@C10			





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Dated: 31/12/2024

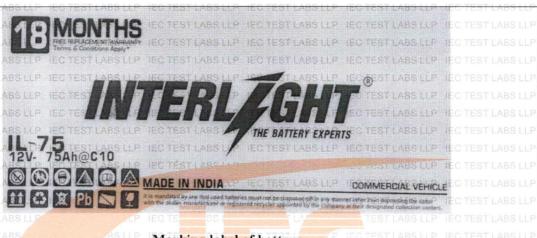
Discipline Name: Electrical

IEC 61427-1: 2013

Page 4 of 4 ULR-TC891724000002057F

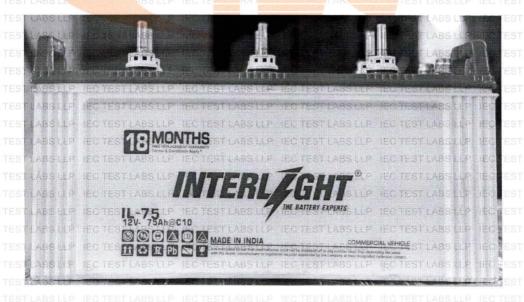
Group Name: Cells & Batteries

Attachment-1



Marking label of battery

Photograph of the sample:



Side View of battery

End of Test Report

