



ICAT/BOV-0253/2022-23/R-2765

Date : 09<sup>th</sup> November 2022

ICAT/BOV-0253/2022-23/R-2765

# TEST REPORT

FOR

COMPLIANCE TO G.S.R 291 (E) dated 24.04.2014



1. Company and Vehicle base model details:

Documental Reference	Vehicle Manufacturer	
Current Document	M/s. ARC Energy	
Company Address	Plant Address	
Unit No A146, Logix Technova, Sector 132, Noida, Gautam Buddha Nagar, Uttar Pradesh, 201 301	Unit No A146, Logix Technova, Sector 132, Noida, Gautam Buddha Nagar, Uttar Pradesh, 201 301	
Base Model	Vehicle Description	Nominal Voltage (V)
AERODOGE X3	Two Wheeler Battery Operated Vehicle without Pedal Assistance	48

2. Test Objective:

To carry out testing/verification of battery operated two wheeler, having power less than 250W and speed less than 25 km/hr for exemption to be a motor vehicle, under CMVR vide GSR 291 (E) dated 24.04.2014.

3. Observations & Test Results: (Refer ANNEXURE - I for photographs)

Parameter	Requirement	Observed	Compliance Verified
Max Speed	< 25 kmph	17.7 kmph	✓
Max 30 min Power	< 250 W	124 W	
Unladen Weight (Without battery)	≤ 60 kg	60 kg	
Battery Type & Packs	-	Lead Acid & 04	
Fitment of reflector (Front/Rear)	Fr- White colour/Rr- Red colour	Fr- White colour/Rr- Red colour	
Suitable braking system	Fitted	Fr- Disc / Rr - Disc	
Description	Make	Model / Part Id	
Motor	M/s. ARC Energy	AE/2W/LS/250/M	
Controller	M/s. ARC Energy	AE/2W/LS/250/C	
Battery	M/s. Tianneng	TNEP12-28	
Charger	M/s. Drone Power	DP/EVC/00703	

4. Conclusion:

The vehicle model mentioned in clause 1 above does not deem to be a motor vehicle and complies(y) to CMVR requirements as per the exemption criteria specified in GSR 291 (E) dated 24.04.2014.

Power Test Report No.	CTOPR 0835 dt. 04.07.2022	
ICAT Ref No.	2022-0253 (IOCS NO. 158221)	Please turn over for DISCLAIMER
<b>AUTHORISED SIGNATORY</b>		
<b>VIJAYANTA AHUJA</b> DEPUTY GENERAL MANAGER		<b>PAMELA TIKKU</b> DIRECTOR (Offg.)
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