

ZEROVA TECHNOLOGIES Co., Ltd.

Electric Vehicle DC Charger
Outgoing Quality Control Report

DS Series

Model Name: DY123456789

SN: T2449A003A1

PSU S/N

No.	112409022991V1921001A14
1	112409022991V1921001A14
2	112409022951V1921001A14
3	112409023341V1921001A14
4	112409021461V1921001A14

Software Version

No.	Item	Version
1	CSU	V2.10.00.5362.OL
2	FAN Module	D0.09.F0
3	Relay Board	V1.03.R3
4	MCU	V0.27.D0
5	CCS 1	
6	CCS 2	
7	UI	
8	LED	

Appearance & Structure Inspection

No.	Item	Details	Judgement
1	CSU、PSU	需有防拆貼紙。	PASS
2	Label, Nameplate	內容需依照圖面，不得有模糊、斷字、歪斜、刮花等不良。	PASS
3	Screen	外觀不得有劃痕、髒汙、殘膠、氣泡等。	PASS
4	Fan	確認風扇網及風扇的安裝方向。	PASS
5	Cables	確認線材連接位置、組裝是否到位、是否理線。	PASS
6	Screws	整機不得有螺絲漏鎖、須有確認扭力的畫線、大電流螺絲扭力值確認	PASS
7	Door Lock	開關門鎖、轉動手把需運作正常；需以隨附鑰匙試插門鎖檢驗是否相符。	PASS
8	Grounding	接地線安裝位置需與接地標籤相對應。	PASS
9	Waterproofing	防水膠需塗布均勻、塗布位置需依循防水對策規範。	PASS
10	Acrylic Panel	壓克力板不可晃動、劃痕。	PASS
11	Charging Cable	長度及規格需正確、槍頭絲印資訊需正確。	PASS
12	Cabinet	機櫃外觀不得有掉漆、劃痕、髒汙、生鏽、脫焊、色差等不良；機櫃內底部不得有異物。	PASS
13	Pallet	棧板扭力值需合規及畫線。	PASS
14	LED	確認LED亮燈狀況(故障/待機/充電)。	PASS
15	Meter	確認電表功率的累積功率與實際功率值是否符合。	PASS

Input & Output Characteristics

Item	Spec	Vin	Iin	Pin	Vout	Iout	Pout	Judgement
L	253V,187V	0.00 V 0.00 V 0.00 V	0.00 A 0.00 A 0.00 A	0.00 KW	0.00 V	0.00 A	0.00 KW	FAIL
R	253V,187V	276.91 V 276.93 V 276.96 V	457.17 A 451.62 A 451.84 A	376462 .00 KW	945.45 V	378.17 A	357546 .00 KW	FAIL

Basic Function Test

No.	Test Items	Testing Record	Judgement
1	EFF	Spec: >94% Efficiency: 0.00 %	FAIL
2	PF	Spec: ≥ 0.99 PF: 0.00 %	FAIL
3	Harmonic	Spec: <5% THD: 0.00 %	PASS
4	Standby Power	Spec: <100W Standby Power: 133.57 W	FAIL

Protection Function Test

No.	Test Items	Testing Record	Judgement
1	Emergency Stop Function	After the charger is powered on and charging normally, set the rated load to initiate charging. Once the charger reaches normal output current, press the emergency stop button. This action will disconnect the charger from the AC output and trigger an alarm.	PASS
2	Door Open Function	While opening the door, the charger should stop charging immediately and shows alarm when the door open.	PASS
3	Ground Fault Function	If the charger detects a ground fault or a drop in insulation below the protection threshold of rated resistance during simulation, it should stop charging and trigger an alarm to protect charger immediately.	FAIL

Hi-Pot Test

Insulation impedance >10MΩ

Left Plug:

Input/Output: 10.3 MΩ

Input/Ground: 10.2 MΩ

Output/Ground: 0.6 MΩ

Right Plug:

Input/Output: 10.4 MΩ

Input/Ground: 0.8 MΩ

Output/Ground: 485.9 MΩ

Packaging Checklist

No.	Items	Q'ty	Check
1	RFID Card	2	✓
2	Product Certificate Card	1	✓
3	Screw Assy M4*12	22	
4	Bolt Cover	4	
5	User Manual	1	











Attachment













Signature

PIC:

Date: