

Test Report

Sample Description: Battery Charger
Report No.: S2026-IS0712

Machine Model: QCL C40
Test Date: 2026-07-12
Tester: Engineer Lu

Pre-Power-On Inspection

Inspection Item	Status
Loose Screws	Pass
Loose Exposed Wiring	Pass
PCB Board Screws Tightened	Pass
Software Program Correct	Pass
No Residual Screws Under PCB	Pass

Electrical Performance Test Items

No-Load Test

Test Item	Measured Value	Standard
Input Voltage Range	220V	200V - 265V
Charging Input Current (AC)	0.68A	-
Reverse Input Current (DC)	1.8A	-
Output Voltage Range	220V	220VAC ±5%

Full-Load Test

Test Item	Measured Value	Standard
Input Voltage	219V	-
Max. DC Input Current	8A	-
Max. AC Output Current	20A	-

Charge and Discharge Test

Test Item	Measured Value
Battery Voltage	12V - 48V
Charging Output Current	12V - 48V, 20A
Charging Output Voltage	14.7V - 64V

Overload Capability Test

Test Condition	Result
105% Overload	Normal
125% Overload (Auto Shut-off)	Pass

Output Waveform Test at Full or Half Load

Test Condition	Result
Output Distortion	None
Fan Test at 50°C	Normal (35°C - 55°C)
Half-Load On/Off Test (5 Times)	Normal

Inspection and Test Before and After Encapsulation

Inspection Item	Status
Glue Conforms to Standard	Pass
Machine Switch Works After Opening Housing	Pass
Terminal Wiring Screws Loose	Pass
Packaging Label Matches Machine Parameters	Pass

Testing Company: Qiangfeng Power Technology Co., Ltd
Address: No. 28, Huao Avenue, Shiwang Town, Boluo County,
Huizhou City, Guangdong Province, China
Tel: 0752-6908755

