Test Report:NPB-450-72NFC

450W High Reliable Ultra Wide Output Range Intelligent Battery Charger
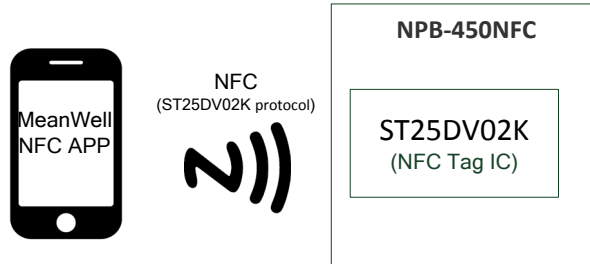
- DESIGN VERIFY TEST

NPB-450NFC

TEST MODEL: <u>NPB-450-72NFC</u>

TESTING NOTES:

1. According to the testing files, make sure that the parameters and actions are correct.
2. The mobile phone system should be iOS or Android (model). Be paired with the Meanwell NFC App.
3. System configuration diagram.

- NPB-450NFC TEST

TEST CONDITION: Mobile Phone System: Android 12(model); Meanwell NFC App

1. READING TEST

No.	TEST ITEM	TEST CONTENT	TEST CONDITION	RESULT	CONCLUSION
1-1	MODEL CONFIRMATION	Be close to NPB-450NFC, and make sure that the model can be read by Meanwell NFC APP.	(1) Model Confirmation MODEL: "NPB-450-72"	(1) Model: NPB-450-72	PASS
1-2	OUTPUT CURRENT SETTING VALUE CONFIRMATION	Be close to NPB-450NFC, and make sure that the charging parameters can be read by Meanwell NFC APP.	(1) Read Constant Current 5.5 amp. (2) Read Constant Voltage 72V. (3) Read Float Voltage 69V. (4) Read Tapper Current 0.55 amp. (5) Read Restart Charging Curve Voltage 66V.	(1) Confirm Constant Current Value 5.5 amp. (2) Confirm Constant Voltage Value 72V. (3) Confirm Float Voltage Value 69V. (4) Confirm Tapper Current Value 0.55 amp. (5) Confirm Restart Charging Curve Voltage 66V.	PASS

2. SETTING TEST

No.	TEST ITEM	TEST CONTENT	TEST CONDITION	RESULT	CONCLUSION
2-1	CC CURRENT SETTING	Be close to NPB-450NFC, and set the current value.	Be close to NPB-450NFC, and set Max. Current, Min. Current and Pre-defined Current.	Setting Confirmation 1. Max. Current: 24.905 amp 2. Min. Current: 4.99 amp 3. Pre-defined Current: 25.0	PASS

				amp	
2-2	CV VOLTAGE SETTING	Be close to NPB-450NFC, and set the voltage value.	Be close to NPB-450NFC, and set Max. Voltage, Min. Voltage and Pre-defined Voltage.	Setting Confirmation 1. Max. Voltage: 21.077V 2. Min. Voltage: 10.582V 3. Pre-defined Voltage: 14.499V	PASS
2-3	FV VOLTAGE SETTING	Be close to NPB-450NFC, and set the voltage value.	Be close to NPB-450NFC, and set Max. Voltage, Min. Voltage and Pre-defined Voltage.	Setting Confirmation 1. Max. Voltage: 21.031V 2. Min. Voltage: 10.502V 3. Pre-defined Voltage: 13.828V	PASS
2-4	TC CURRENT SETTING	Be close to NPB-450NFC, and set the current value.	Be close to NPB-450NFC, and set Max. Current, Min. Current and Pre-defined Current.	Setting Confirmation 1. Max. Current: 7.545 amp 2. Min. Current: 0.505 amp 3. Pre-defined Current: 2.49 amp	PASS
2-5	CHARGING STAGE SETTING	Be close to NPB-450NFC, and set the charging stage.	Be close to NPB-450NFC, and set the charging stage to 2 stage or 3 stage.	Setting Confirmation 1. 2 stage setting: OK 2. 3 stage setting: OK	PASS
2-6	INTELLIGENCE CHARGING SETTING	Be close to NPB-450NFC, and set intelligence charging.	Be close to NPB-450NFC, and set charging mode to INTELLIGENCE or CURVE.	Setting Confirmation 1. INTELLIGENCE setting: OK 2. CURVE setting: OK	PASS
2-7	PASSWORD SETTING	Be close to NPB-450NFC, and set the password.	Be close to NPB-450NFC, and set the password to "meanwell", "MEANWELL", "12345678" or password-less.	Setting Confirmation 1. "meanwell" setting: OK 2. "MEANWELL" setting: OK 3. "12345678" setting: OK 4. Password-less setting: OK	PASS
2-8	RESTART CHARGING VOLTAGE SETTING	Be close to NPB-450NFC, and set the restart charging voltage.	Be close to NPB-450NFC, and set the restart charging voltage to 13.20V.	1. 2 stage: 13.202V 2. 3 stage: 13.29V	PASS

TEST RESULT	TESTER	REVIEW	APPROVAL

PASS	Yuwei	Liutt	Wangdz