Test Report:NPB-450-12NFC

450W High Reliable Ultra Wide Output Range Intelligent Battery Charger

- **DESIGN VERIFY TEST**
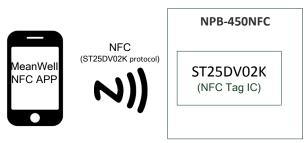
NPB-450NFC

TEST MODEL: NPB-450-48NFC

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-450-48"	(1) Model: NPB-450-48	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 6.8amp. (2) Read Constant Voltage 57.6V. (3) Read Float Voltage 55.2V. (4) Read Tapper Current 0.68 amp. (5) Read Restart Charging Curve Voltage 52.8V.	(1) Confirm Constant Current Value 6.8 amp. (2) Confirm Constant Voltage Value 57.6V. (3) Confirm Float Voltage Value 55.2V. (4) Confirm Tapper Current Value 0.68amp. (5) Confirm Restart Charging Curve Voltage 52.8V.	PASS

2. SETTING TEST

No.	TEST ITEM	TEST CONTENT	TEST CONDITION	RESULT	CONCLUSION
2-1	CC CURRENT SETTING	Be close to NPB-450NFC, and	Be close to NPB-450NFC, and set Max. Current,	Setting Confirmation 1. Max. Current: 6.829 amp	PASS

		set the current value.	Min. Current and Pre-defined Current.	2. Min. Current: 1.309 amp 3. Pre-defined Current: 6.8amp	
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: 80.046V 2. Min. Voltage: 41.946V 3. Pre-defined Voltage: 57.641V	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: 80.011V 2. Min. Voltage: 42V 3. Pre-defined Voltage: 55.203V	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: 2.02 amp 2. Min. Current: 0.115 amp 3. Pre-defined Current: 0.64 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: <u>OK</u> 2. 3 stage setting: <u>OK</u>	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: <u>OK</u> 2. CURVE setting: <u>OK</u>	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: <u>OK</u> 2. "MEANWELL" setting: <u>OK</u> 3. "12345678" setting: <u>OK</u> 4. Password-less setting: <u>OK</u>	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 52.8V.	1. 2 stage: 52.839V 2. 3 stage: 52.846V	PASS

TEST RESULT	TESTER	REVIEW	APPROVAL

PASS	Yuwei	Liutt	Wangdz