

TEST PROGRAM - CONTINUOUS LOAD

SK-WR5A SK-20265001

LAB-20260818-2001-2598 - SK-WR5A / SK-20265001

PASS

FINAL RESULT

TEST SCOPE This page presents the complete electrical acquisition window. Shaded areas show configured acceptance envelopes, dashed lines show nominal targets, and solid traces show measured values.	SCHEDULED WINDOW 01:00:00	LOAD REQUIREMENT >= 3.80 A	DATA SOURCE REST / 1000 ms
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01

Time-series evidence

All charts share elapsed time from the test start



ENGINEERING ACCEPTANCE DECISION

Configured endurance criteria achieved

The recorded run met the minimum-load, electrical-quality and acquisition-continuity requirements.

PASS
FINAL RESULT

TEST ENERGY 691.95 wh Test window only	AVERAGE CURRENT 4.280 A Measured RMS load	SAMPLE AVAILABILITY 69.8 % Maximum data gap 43.0 s	MINIMUM ACCEPTED LOAD 3.80 A Higher current is accepted
EVIDENCE WINDOW Timestamped telemetry from the acquisition start marker through the terminal sample.	ENERGY BOUNDARY Active-power integration starts at 0 Wh; the device lifetime total is excluded.	DECISION RULE Current below the minimum fails. Current above the configured target remains acceptable.	

REPORT NUMBER LAB-20260818-2001-2598	DATE / START 18 Aug 2026 20:01:30	DURATION 01:00:00 / 01:00:00	OPERATOR Smart Kablo Operator
DUT MODEL SK-WR5A	SERIAL NUMBER SK-20265001	FIRMWARE 0.5.30	ACQUISITION REST - 1000 ms

02

Executive summary

Recorded performance over the complete acquisition window

AVERAGE CURRENT 4.280 A Min 0.000 - Max 4.937 A	AVERAGE VOLTAGE 225.52 v Min 113.66 - Max 246.10 V	AVERAGE POWER 692.3 w Peak 1094.4 W
TEST ENERGY CONSUMED 691.95 wh Test start to test end - device total excluded	POWER FACTOR 0.716 Min 0.000 - Max 0.999	SAMPLE COVERAGE 69.8 % 2513 valid / 2617 total

03

Acceptance matrix

Evaluation against run-specific limits

PARAMETER	ACCEPTANCE CRITERIA	OBSERVED	COMPLIANCE	RESULT
Minimum load current	>=3.800 A - >=90% samples	0.000-4.937 A	99.52 %	PASS
Line voltage	207.0-253.0 V - >=99%	113.66-246.10 V	99.76 %	PASS
Line frequency	49.50-50.50 Hz - >=99%	49.844-50.002 Hz	100.00 %	PASS
Sample availability	>=95% scheduled on gap <=60 s	2513 / 3600 - max 43.0 s	69.81 %	PASS
Data continuity	Valid data gap <=60 s	Max 43.0 s - 104 missed	Continuous	PASS
Critical alarms	0 over-current / over-voltage flags	0 flags	Clear	PASS

04

Method & traceability

Acquisition chain and run notes

METHOD RMS electrical telemetry was acquired from the device local interface at the configured interval. Consumption was calculated with trapezoidal integration of active power. Raw timestamped samples are retained in SQLite.	CONFIGURED LIMITS Minimum current 3.80 A (4.00 A target, -5.0% allowance; higher current is accepted); voltage 230 V +/-10.0%; frequency 50.0 Hz +/-0.50 Hz; maximum valid-data gap 60 s.
DEVICE ADDRESS / MAC http://192.168.137.117 - E8:3D:C1:20:C9:BC	TEST NOTES No additional notes.

PREPARED BY Name / signature / date	REVIEWED BY Name / signature / date	APPROVED BY Name / signature / date
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