Selec Test Lab

Division of Selec Controls Pvt. Ltd.

Report No: SAFETY/AUG/2627/16-N/RPS240-24-1D

INRUSH CURRENT MEASUREMENT TEST REPORT FOR POWER SUPPLY

Selec Test Lab

No. EL-27/1, ELECTRONIC ZONE, T.T.C INDUSTRIAL AREA,
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selec® Creating Best Value	INRUSH CURRENT TEST REPORT FOR POWER SUPPLY **Report No: SAFETY/AUG/2627/16-N/RPS240-24-1D**

1. EUT Details as per Service Request Form

Test conducted at: Selec Test Lab, No. EL-27/1, Electronic Zone, T.T.C Industrial Area, Navi Mumbai, Thane, Maharashtra, India

Test conducted for: Power Supply Department, R&D, Selec Controls Pvt. Ltd., MIDC, Mahape, Navi Mumbai

Specifications of Equipment Under Test (EUT)	**Product Name:**	Power Supply
	Make:	Selec Controls Pvt. Ltd.
	Model No.:	RPS240-24-1D
	Serial No.:	2608T005051250001
	Rating / Range:	Input: 90-370VDC / 2.70 A Output: 24 VDC/ 10 A
	Hardware & PCB Version No.:	V1.00
	PCB Version No.:	V1.00
	Dimensions (LxWxH in mm):	135×50×136 mm
Received details	**Date of Receipt:**	17/AUG/2026
	Job ID No.	SAFETY/JUL/2627/16-N
	Condition of EUT:	Woking OK
	Customer Representative:	Name: Mr. Ashish Bait, Designation: Testing Engineer
	Contact Details:	Email Id: hwps@selec.com Contact No.:+91-8692881951
	Date of Conducting Test:	17/AUG/2026

Remark	**Traceability:** i) Standard used for testing is traceable to National / International Standards . ii) Test & Measuring Instruments used are calibrated to traceable standards.

Conclusion: The Test Items confirms with the requirements of customer for the tests carried out. Refer individual test report for result.

Note: The laboratory is responsible for all information and results presented in this report, except for the information provided by the customer. All customer-supplied data have been clearly identified in this report. Where customer-provided information may affect the validity of the results, a suitable disclaimer has been included. It is hereby stated that the results in this report apply only to the sample as received on 17/AUG/2026

SELEC CONTROLS PVT. LTD. Selec Test Laboratory EL-27/1, Electronics Zone, TTC Indl. Area, MIDC Mahape, Navi Mumbai -400710

Tested & Prepared by:

Swapnil Navrat

Reviewed by/ Approved by:

Sneha Nangare

Issued Date: 17/AUG/2026

(Mr. Swapnil Navrat)

(Ms.. Sneha Nangare)

1.0 Test Specification :

Test Name	Inrush Current Measurement Test
Test Standard	IEC 63129:2020 + AMD1:2025
EUT Operating Condition	110V DC
Output Condition	24 VDC/ 10A

1.1 Environmental Condition:

Temperature: 25.7 °C Humidity: 55% Atmospheric Pressure: 1001 hpa

1.2 Test Instrumentation used:

Sr. No.	Instrument	UID N0.	Make	Model No.	Serial No	Calibration Due Date
1	Digital Storage Oscilloscope (DSO)	STL-68	Rigol	MSO5354	MS5A269M 00256	21/DEC/2026
2	Current Probe	NA	Tektronics	A622	11PP5241 8DV	NA
3	DC Power Supply	STL-63	Selec	NA	NA	NA

1.3 Test Setup:

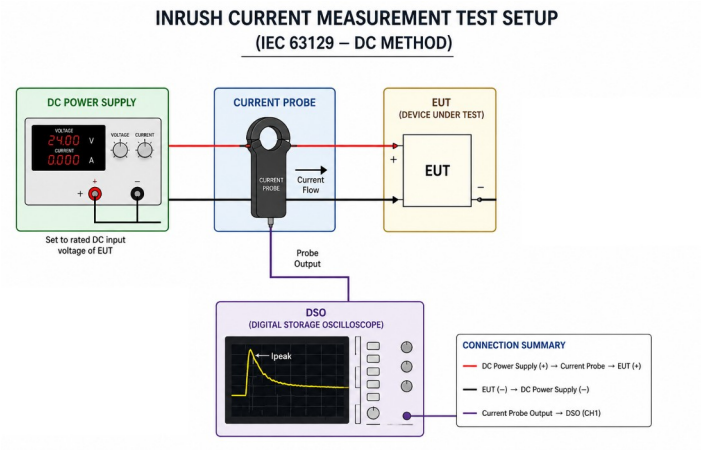

Figure1: Inrush Current Measurement Test Setup Diagram

1.4 Test Procedure:

1. Connect the DC power supply to the EUT through the current probe.
2. Connect the current probe output to the DSO.
3. Make sure EUT is in OFF condition while making all connections.
4. Set the DC power supply to the specified EUT input voltage.
5. Set the DSO trigger and acquisition parameters to capture the switching-ON event.
6. Switch ON the EUT and capture the input-current waveform.
7. Record the maximum instantaneous input current as the inrush current immediately after switching ON the EUT..

1.5 Test Observation/Result:

Sr. No.	DC Input Voltage (V)	Ipeak (A)
1	110VDC	26.616A

Annexure I
Photograph

Figure 1: Equipment Under Test (EUT)

Figure 2: Model No. & Serial No. of (EUT)

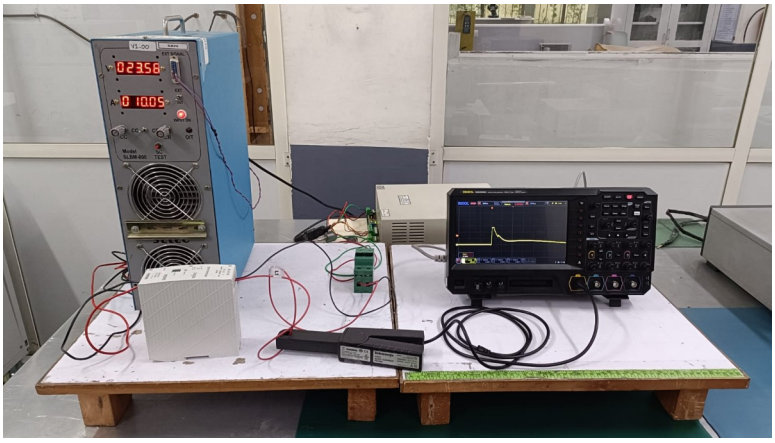

Figure 3: Inrush Current Measurement Test Setup

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Annexure II
Waveform

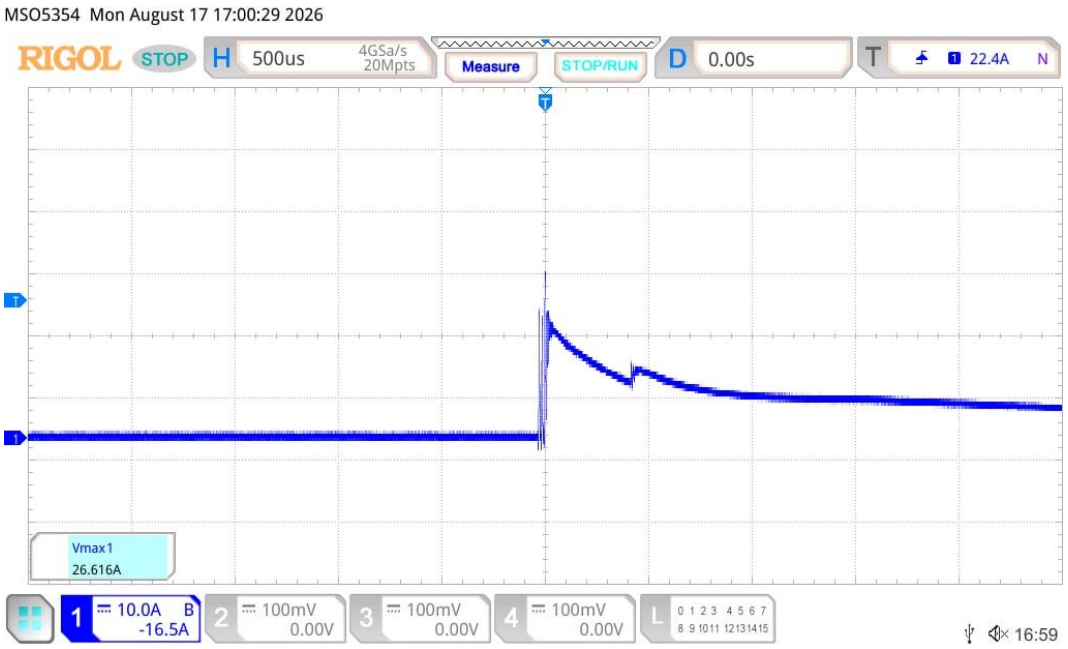

Figure 1: Inrush Current

********** END OF REPORT **********