

80026-529-01-R

AC/DC Power Supply, 56 V DC Output, 1000 W

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Allen-Bradley 80026-529-01-R is the exact manufacturer-listed ac/dc power supply, 56 v dc output, 1000 w for the documented installed system.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Allen-Bradley article.

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Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm Allen-Bradley 80026-529-01-R, single-phase input, 56 V DC output and 1000 W rating.
- 2

Isolate all drive power and prove stored energy discharged.
- 3

Record source, output, protective and connector positions.
- 4

Inspect the mounting position and cooling path before replacement.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	80026-529-01-R
Host / carrier	Allen-Bradley PowerFlex 7000
Primary system role	Uses a single-phase AC input
Acceptance boundary	Verify output voltage and drive diagnostics before release.
Source record	PowerFlex 7000 Medium Voltage AC Drives Troubleshooting Guide

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Match the installed supply position, single-phase source, 56 V DC distribution and 1000 W execution. Reproduce protective connections and cable routing, then confirm output behavior and drive diagnostics during controlled energization.

- 1

Use ESD-safe handling for connected control circuits.
- 2

Reproduce the documented source and 56 V DC distribution connections.
- 3

Energize through the approved PowerFlex 7000 sequence.
- 4

Verify output voltage and drive diagnostics before release.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm Allen-Bradley 80026-529-01-R, the complete PowerFlex 7000 or MV SMC Flex host identity, installed hardware execution, board or semiconductor position, connectors, wiring, grounding, cooling path, firmware or configuration where applicable, companion components and controlled commissioning results before service.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	80026-529-01-R
Host match	Allen-Bradley PowerFlex 7000
Connection proof	Reproduce the documented source and 56 V DC distribution connections.
Configuration proof	Energize through the approved PowerFlex 7000 sequence.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Verify output voltage and drive diagnostics before release.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

ACCEPTANCE AND RELEASE EVIDENCE

PowerFlex 7000 control-power restoration

Restores the documented single-phase AC to 56 V DC conversion.

Drive cabinet power-supply service

Maintains the approved 1000 W supply execution.

Controlled replacement projects

Preserves source, output and protective-connection identity.

Post-repair voltage verification

Supports output and diagnostic checks before drive enablement.

Maintenance Verification and Closeout

PowerFlex 7000 control-power restoration

Restores the documented single-phase AC to 56 V DC conversion.

Drive cabinet power-supply service

Maintains the approved 1000 W supply execution.

Controlled replacement projects

Preserves source, output and protective-connection identity.

Post-repair voltage verification

Supports output and diagnostic checks before drive enablement.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
Allen-Bradley 1771-OZL	Allen-Bradley product	View Allen-Bradley 1771-OZL page
Allen-Bradley 1771-IB	Allen-Bradley product	View Allen-Bradley 1771-IB page
Allen-Bradley 1769-OV32T	Allen-Bradley product	View Allen-Bradley 1769-OV32T page
Allen-Bradley 1757-FFLD2	Allen-Bradley product	View Allen-Bradley 1757-FFLD2 page
Allen-Bradley 1756-SYNCH	Allen-Bradley product	View Allen-Bradley 1756-SYNCH page
Allen-Bradley 1756-OF4	Allen-Bradley product	View Allen-Bradley 1756-OF4 page
Allen-Bradley 1756-OA8D	Allen-Bradley product	View Allen-Bradley 1756-OA8D page
Allen-Bradley 1756-L55M14	Allen-Bradley product	View Allen-Bradley 1756-L55M14 page

MANUFACTURER SOURCE RECORD

PowerFlex 7000 Medium Voltage AC Drives Troubleshooting Guide
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