

XL7015 80 V Adjustable Buck Converter Module

Wide-input DC-DC step-down regulator with enable control



Product Overview

A compact power-electronics module documented from the supplied archived product page. The specifications below separate confirmed ratings from operating guidance and identify the exact module variant where the source page contains multiple options.

Electrical and Mechanical Specifications

Parameter	Value
Controller family	XL7015 upgraded module
Topology	Non-isolated DC-DC buck converter
Input voltage	5-80 VDC
Output voltage	Adjustable DC output
Control	Output-enable input
Adjustment	Multi-turn potentiometer
Cooling	PCB copper area and component thermal design
Connections	Solder pads

Key Features

- Wide 5-80 V input range
- Adjustable regulated output
- External enable control
- Compact module footprint

Operating Notes

- The saved page does not expose a reliable full output-current rating.
- Set output voltage before connecting the load.
- Observe input/output polarity and do not back-feed the output.

Application and Connection Guide

APPLICATION & CONNECTION

HIGH-VOLTAGE DC INPUT

5-80 VDC



LOWER-VOLTAGE LOAD

Adjusted output

Verify polarity and configure voltage/current before connecting the load.

Connection Sequence

1. Confirm the input source is within the stated range. 2. Verify input and output polarity. 3. Configure voltage and current limits with the load disconnected. 4. Connect the load or battery. 5. Monitor temperature during initial operation.

KEY PRODUCT ADVANTAGES



- 1 **Wide 5-80 V input range**
- 2 **Adjustable regulated output**
- 3 **External enable control**
- 4 **Compact module footprint**