



BA-3XX – 12V/24V Step-Down

Converter Cable

Overview

BA-3XX is an adapter cable that converts DC 12V/24V input to a lower DC voltage. The adapter circuit is inside a housing with S/R at both ends.

The cable length, output voltage, input and output connectors could be customized.

Applications

- IOT devices
- Vehicle accessories
- Networking systems

Features

- 7V to 30V input operating range
- 1V to 20V output operating range
- 1.5A output current
- 35V input surge protection
- Up to 92% efficiency
- 1uA shutdown current
- Input supply overvoltage and under-voltage lockout
- IP66+ Water-resistance

Technical Specifications

Electrical Data

Input Voltage	7V ~ 30V
Output Voltage	1.0V ~ 20V (< input voltage)
Output Current	Up to 1.5A
Surge Protection	Up to 35V


Environmental Data

Operating temperature	-40 ~ 80°C
Storage temperature	-40 ~ 85°C
Waterproof	IP66

Mechanical Data

Dimension	Adapter housing (mm): 72.2 x 19 x 17.6
Cable Type	2 cores, Jacket: Black PVC
Cable Length	1.5m, 3m (default), 5m, or longer etc. Output end to adapter: max. 0.5m
Connectors	Open wire (default), USB, ear-phone connector, JST RCY, Micro-Fit etc.

Order Information: BA-3NNCC

NN (For output > 9.9V, specify separately)	NN is the output voltage, e.g. NN=38 means 3.8V NN=41 means 4.1V NN=50 means 5.0V
CC	1 st /2 nd C is the connector at the power source/destination end respectively. Female w/ uppercase while male w/ lowercase letter. E.g. ne n – open wire e – Male ear phone connector
Example picture of BA-350pe	
Others	MOQ-based customization of output voltage, connectors, length available

* This document is subject to change without notice.