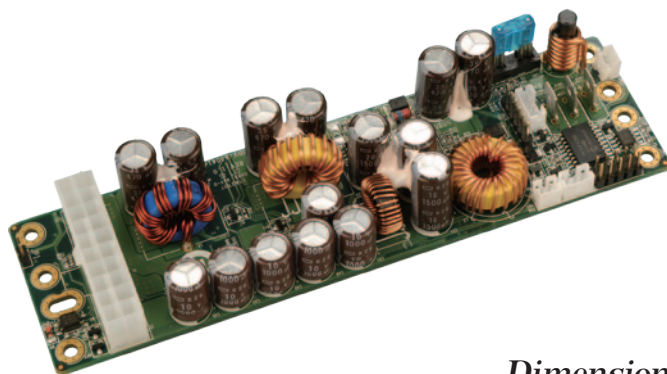


IDDV-6304140A

140 W DC/DC Smart ATX Converter Module for Vehicle



Dedicated ATX power for car PC and battery powered applications

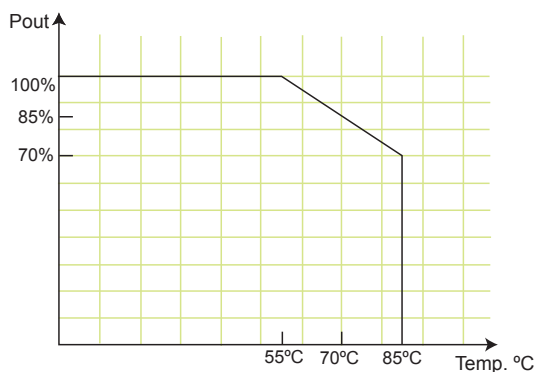
Designed to provide power and to control power on/off switch of a motherboard based on the ignition status.

Features

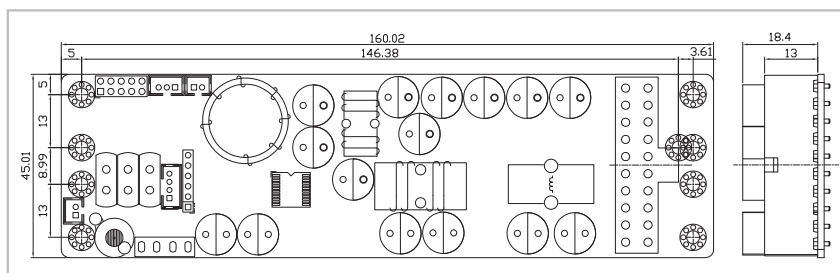
1. Wide input range: 6-30 VDC
2. Smart system on/off control
3. Six selectable power on/off timing modes
4. Load down protection
5. Over voltage protection
6. Short circuit protection
7. Over current protection
8. Battery voltage monitor
9. Amplifier on-delay control
10. RoHS compliant
11. Compact size
12. Infrared remote off (optional)

Specifications

- Output (max.): 5 V@10 A, 3.3 V@10 A, 12 V@4 A, -12 V@0.15 A & 5 VSB@1.5 A
- Max. total output: 140 W
- Input: 6 VDC to 30 VDC
Min. input operating voltage: 5.7 V
Max. input operating voltage: 30 V
- Deep-discharge shut down voltage: 10.6 V
- Startup voltage: 8 V
- Efficiency: up to 90%
- Dimensions: 45 mm x 160 mm
- Weight: NW: 118 g
- Operating temperature: -20°C ~ 85°C
- Storage temperature: -25°C ~ 90°C



Dimensions (Unit: mm)



Pin Assignments

Input Power Connector

CN15	Batt (+)
CN16	ACC ON
CN17	Batt (-)

Output Power Connector

J1	Standard 20-pin ATX
----	---------------------

Wire Harness Selection Guide

SBC Main Power (J1)



PN: CB-ATX20PIO-RS
20-pin ATX to 20-pin ATX / SATA / HDD cables

Input Power Connector (CN15, 16, 17)



PN: CB-BATACC-RS
Wire to battery and ACC on

Packing Information

- 1 x IDDV-6304140A
- 1 x QIG
- 1 x Wire cable for PWR/SW and MB/SW (P/N: 32100-153400-RS)
- 1 x Wire cable for LED /AMP (P/N: 32100-153500-RS)

Ordering Information

Part No.	Description
IDDV-6304140A-R10	140 W DC/DC 6-30 VDC input, vehicle converter module
CB-ATX20PIO-RS	30 cm, 20-pin ATX to 20-pin ATX / SATA (20 cm) / HDD cables
CB-BATACC-RS	30 cm, wire to battery and ACC on

1

Industrial
Computing
Solutions

2

Video
Capture
Solutions

3

Embedded
Computing
Solutions

4

Automation
Control

5

ORing
Network
Communication

6

Power Supply/
Peripherals

7

Panel
Solutions
Introduction