

IDDUPS-6364120A/636260A

120 W/60 W DC/DC Converter Module, with UPS

1
Application
Server
Platform

2
Single
Board
Computer

3
IBX Series
POS PC

4
AFOLUX
POS
Panel PC

5
Video
Capture
Card

6
KAMIO
RISC

7
IOVU
Open HMI

8
VITO
Universal
Controller

9
DINO
BLADE

10
LCD
Product
Series

11
Embedded
System

12
Industrial
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Chassis

13
Power
Supply

14
Peripherals

• **BAT-LI-2S1P3000**
Smart Battery, Li-Polymer,
2S1P, 3000mAh

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Smart Battery, Li-Polymer,
2S1P, 3000mAh

• **IDDUPS-6364120A**

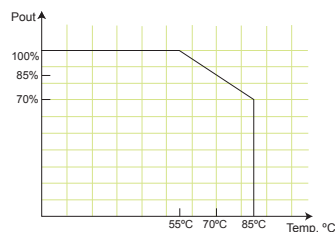
• **IDDUPS-636260A**

Features

1. Load down protection
2. Over voltage protection
3. Short circuit protection
4. Over current protection
5. Smart battery charger for Li-Polymer
6. I/O interface: SMBus/I2C & RS-232
7. Support up to 2 battery packs
8. AT/ATX modes
9. Utility program: pull data out through RS-232 to system

Specifications

- Output: Voltage (max load)
 - IDDUPS-6364120A: 5 V@10 A, 12 V@4 A, -12 V@0.3 A, 3.3 V@8 A & 5 VSB@2 A
 - IDDUPS-636260A: 5 V@10 A, 12 V@3 A, 5 VSB@0.5 A
- Max. total output:
 - IDDUPS-6364120A: 120 W
 - IDDUPS-636260A: 60 W
- Input: 6 VDC to 36 VDC
- Battery charge voltage: 12 V ~ 36 V
- Efficiency: up to 90%
- Dimensions: 60 mm x 160 mm
- Weight (NW) : IDDUPS-6364120A: 98 g, IDDUPS-636260A: 75 g
- Operating temperature: -20°C ~ 85°C
- Storage temperature: -40°C ~ 125°C



Applications



Battery backup system

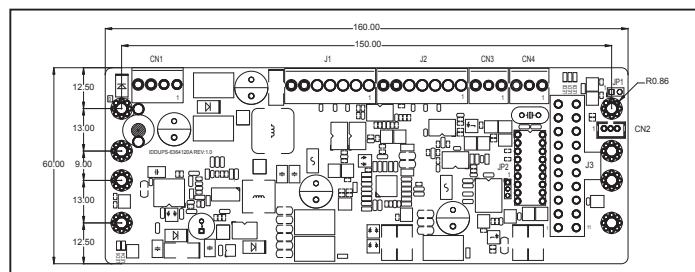


Portable equipment



Power sensitive equipment

Dimensions (Millimeters)



Packing information

- 1 x IDDUPS-6364120A or IDDUPS-636260A
- 1 x QIG
- 1 x DB-9 pin connector cable (32100-157200-RS)
- 1 x CD utility software

Ordering Information

Part No.	Description
IDDUPS-6364120A-R10	120 W ATX DC/DC 6-36 VDC input, 12 V, 5 V, 3.3 V, -12 V and 5 VSB power module with UPS
IDDUPS-636260A-R10	60 W ATX DC/DC 6-36 VDC input, 12 V, 5 V and 5 VSB power module with UPS
BAT-LI-2S1P3000	Smart battery, Li-Polymer, 2S1P, 3000 mAh
CB-5PSBC-RS	20 cm cable to SBC power input
CB-JST3PSW-RS	30 cm cable on/off switch
CB-JST3P001-RS	30 cm 5 VSB, PS_ON wire to SBC
CB-3PSATA-RS	10 cm cable for SATA power
CB-3PIDE-RS	10 cm cable for IDE HDD power
CB-P1LP4-RS	20 cm cable for FSP0601AD101C 60 W/UP0451E12P 45 W/UP0251E12PL 25 W AC-DC adapter
CB-MD4P4-RS	20 cm cable for 63000-FSP120AAB-RS 120 W AC-DC adapter
CB-NOLP4-RS	20 cm cable for terminal block DC input
CB-ATX20P-RS	30 cm 20-pin ATX to 20-pin ATX cable

High Energy Density, Light Weight and Compact DC/DC UPS & Power Module

Protect your precious equipment from damage. Reduce risk of losing valuable data.

An uninterruptible power supply provides emergency backup power when the main power is lost.

Benefit:

- Provides power for a certain amount of time after a power failure has occurred.
- Provides stable power to equipment during line sags and spikes.
- Absorb power surges & transients.
- Smooth out noisy power sources.

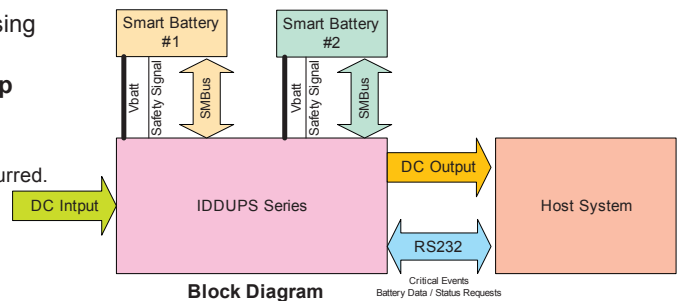
The utility software displays the following information:

- Current power source.
- Battery status.
- Charging status.
- Percentage remaining



Battery Capacity Status

Level 2 Smart Battery Charger & Power Modules



Block Diagram

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Battery Pack: Part # BAT-LI-2S1P3000



Battery Type	Li-Polymer			
Pout(W)	100	80	60	40
Time(min)	8	14	22	35
Dimensions	DR202 package 148x89x20 mm			
Capacity	3000 mAh			
Weight	230 g			

PIN Assignments

Input Power Connector

CN1	Pin 1	Pin 2	Pin 3	Pin 4
	VIN	VIN	GND	GND

Output Power Connector

CN3 CN4	Pin 1	Pin 2	Pin 3
	+5 V	GND	+12 V

For IDDUPS-6364120A

J3	Standard 20-pin ATX
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For IDDUPS-636260A

J3	Pin1	Pin 2	Pin 3	Pin 4	Pin 5
	+5 V	+5 V	GND	GND	+12 V

ATX Mode Connector

CN2	Pin 1	Pin 2	Pin 3
	5 VSB	GND	PS_ON

Battery Connector

J1 J2	Pin1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7
	BAT+	BAT+	Clock	Data	Temp	GND	GND

Wire Harness Selection Guide

DC Input



Options 1.

PN: CB-P1LP4-RS

Cable for FSP0601AD101C 60 W/
UP0451E12P 45 W/UP0251E12PL
25 W AC-DC adapter



Options 2.

PN: CB-MD4P4-RS

Cable for 63000-FSP120AAB-RS
120 W AC-DC adapter



Options 3.

PN: CB-NOLP4-RS

Cable for terminal block

SBC Main Power



Options 1.

PN: CB-ATX20P-RS

20-pin ATX to 20-pin ATX cable

I/O Power



Options 1.

PN: CB-3PSATA-RS
Cable for SATA



Options 2.

PN: CB-3PIDE-RS
Cable for IDE HDD or any STD
4-pin I/O devices

Power On/Off



Options 1.

PN: CB-JST3PSW-RS

Cable with on/off switch



Options 2.

PN: CB-JST3P001-RS

Cable to SBC (5 VSB & PS_ON)