

# D8132 Battery Charger Modules

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- ▶ Provide additional standby power for control panels
- ▶ 1200 mA battery recharging circuit
- ▶ Suitable for 12 VDC and up to 27 Ah of batteries
- ▶ Suitable as a standalone 12 VDC, 1 A power supply (*not* UL rated for this application)

The D8132 Battery Charger modules work with external batteries to increase standby time and provide additional power to the auxiliary output of compatible control panels.



**Notice**

The modules are UL rated as battery charger modules. They can also be used as standalone power supplies (*not* UL rated for this purpose).

**Standalone Power Supply**

The modules can work as standalone, 12 VDC 1 A power supplies for ancillary devices in non-critical applications that do not require battery supervision, load shed capability, or UL Listing.

**Certifications and approvals**

NYC/BSA 582-85-SA



**Notice**

The D8132 is UL rated as a battery charger.

**System overview**

The modules use a 16.5 VAC, 40 VA plug-in transformer (D1640) to supply 1.2 A of battery charging current. A green LED lights to indicate the presence of AC voltage.

**Functions**

**Provide additional standby time**

In applications where the control panel cannot recharge its secondary batteries or when additional power is needed for auxiliary outputs, the module can provide up to 27 Ah at 12 V.

Region	Certification
USA	UL AMCX: Central Station Alarm Units (ANSI/UL1610), 4), AOTX: Local Alarm Units (ANSI/UL609), APAW: Police Station Alarm Units (ANSI/UL365), APOU: Proprietary Alarm Units (ANSI/UL1076), NBSX: Household Burglar Alarm System Units (ANSI/UL1023), UOJZ: Control Units, System (ANSI/UL 864), UTOU: Control Units and Accessories - Household System Type (I/UL985)
	FM D8132
	CSFM see our website

Region	Certification	
	NYC-MEA	12-92-E, Vol. IV
	NYC-MEA	12-92-E, Vol. 15
Canada	ULC	AMCX7: Central Station Alarm Units Certified for Canada (CAN/ULC-S304), AOTX7: Local Alarm Units Certified for Canada (CAN/ULC-S303), APAW7: Police Station Alarm Units Certified for Canada (CAN/ULC-S303, CAN/ULC-S304), APOU7, Proprietary Alarm Units Certified for Canada (ULC/ORD-C1076), NBSX7: Household Burglar Alarm System Units Certified for Canada (ULC/ORD-C1023)

### Installation/configuration notes

#### Compatibility Information

##### Control Panels

##### Active products:

D9412GV4, D7412GV4, D7212GV4, D9412GV3, D7412GV3, and D7212GV3 panels

B5512, B4512, and B3512 panels

D6412 and D4412 panels

##### Legacy products:

D9412GV2, D7412GV2, D7212GV2, D9412G, D7412G, and D7212G panels

D9412, D7412, D7212, and D7212B1 panels

D9112B1, D9112, D8112, and D6112 panels

D912 panel4

D2812, D2412, D2212, D2212B, D2212BE, and D2012 panels

#### Application Considerations

Two additional 12 V, 7 Ah batteries or up to two 12 V, 13.5 Ah batteries can be installed with the module. The module is ideal for systems requiring extended battery standby time, such as UL Bank Safe and Vault applications, and systems requiring additional auxiliary current output. The module can also be installed as a non-UL Listed 12 V, 1 A stand-alone power supply.

#### Wiring Considerations

Installers can use a four-wire harness to connect one or two batteries to the module.

#### Mounting Considerations

Installers can mount the battery charger module and batteries inside a separate approved Bosch Security Systems, Inc. enclosure such as the D8103, D8108A, or D8109. These enclosures have a rectangular knockout on the door, allowing installers to view the green AC power LED on the battery charger module. The D137 Mounting Bracket allows installers to mount a battery charger module into enclosures from other manufacturers.

### Parts included

#### D8132 Battery Charger Module

Quantity	Component
1	D8132LT module
2	Cables (one 4-connector and one 6-connector)
1	D1640 Transformer
1	Hardware pack containing: <ul style="list-style-type: none"> <li>• 4 lock washers</li> <li>• 4 nuts</li> <li>• 4 screws</li> <li>• 4 terminal lugs</li> </ul>

The cables connect the D8132 to the transformer, one or two batteries, and the control panel. Additional hardware is provided for connecting larger batteries. This hardware is not required when connecting 12 VDC, 7 Ah batteries.

#### D8132LT Battery Charger Module Less Transformer

Quantity	Component
1	D8132LT module
2	Cables (one 4-connector and one 6-connector)
1	Hardware pack containing: <ul style="list-style-type: none"> <li>• 4 lock washers</li> <li>• 4 nuts</li> <li>• 4 screws</li> <li>• 4 terminal lugs</li> </ul>

### Technical specifications

#### Electrical

Float Voltage <sup>1</sup>	13.9 VDC maximum
Supplied Voltage	16.5 VAC, 40 VA supplied by D1640 plug-in transformer
Current	1.2 A
Ampere-Hours	27 Ah maximum

<sup>1</sup> measured with batteries in circuit

#### Mechanical

Dimensions (hwxwd)	0.75 in. x 3.0 in. x 5.0 in. (1.9 cm x 7.6 cm x 12 cm)
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### Ordering information

#### D8132 Battery Charger Module

The module uses a supplied D1640 16.5 VAC, 40 VA Plug-in Transformer and up to two 12 V batteries (each up to 13.5 Ah) to supply 1.2 A of battery charging current.

Order number **D8132**

### D8132LT Battery Charger Module

The module uses up to two 12 VDC batteries (each up to 13.5 Ah) and requires a D1640 Plug-in Transformer (not supplied) to increase battery standby time and provide additional output power.

Order number **D8132LT**

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#### Accessories

### D8004 Transformer Enclosure

For applications such as fire alarm that might require a transformer enclosure.

Order number **D8004**

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### D137 Mounting Bracket

Used to mount accessory modules in D8103, D8108A, and D8109 enclosures.

Order number **D137**

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### D126 Standby Battery (12 V, 7 Ah)

A rechargeable sealed lead-acid power supply used as a secondary power supply or in auxiliary or ancillary functions.

Order number **D126**

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### D1640 Transformer

System transformer rated at 16.5 VAC, 40 VA.

Order number **D1640**

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