



EPBU.E340833
Direct-plug-in and Cord-connected Class 2 Power Units

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Direct-plug-in and Cord-connected Class 2 Power Units

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MODIARY CO LTD
FLAT/ROOM 11, BLK A
12/F MERIT INDUSTRIAL CENTRE
94 TOKWAWAN RD TOKWAWAN
KOWLOON, HONG KONG

E340833

Class 2 Battery Chargers, Model(s) BC23404020, BC234144020, MDA10112604000, MDA10116803000

Class 2 battery chargers, Model(s) MDA10125202000, MDA10125902000, MDA10129402000, MDA11542002000

Class 2 Battery Chargers, Model(s) MDA16525202000, MDA10125202000, SPBC1650602A, SPBC1652102A, SPBC2102A, MDA16529402000, DZL(M)2410A0, MDA10129402000, SPBC1650702A, SPBC1652402A, SPBC2402A, MDA16542002000, DZL(M)3710A0, MDA11542002000, SPBC1651002A, SPBC1653602A, SPBC3602A.

SPBC0304A, SPBC0403A, SPBC1204A, SPBC1603A

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Direct-plug-in and Cord-connected Class 2 Power Units

Guide Information for Electrical Equipment for Use in Ordinary Locations

USE

This category covers indoor and outdoor use Class 2 power supplies and battery chargers intended for use on alternating-current branch circuits with a maximum potential of 150 V to ground. Products covered are (1) portable and semipermanent-mounted direct-plug-in units provided with 15 A blade configurations for use on nominal 120 or 240 V branch circuits, and (2) cord-and-plug-connected units provided with a 15 or 20 A attachment plug configuration. Units may also be provided with a direct-current input jack for being powered from a vehicle battery adapter or from a data port associated with information technology equipment.

These units utilize an isolating transformer and may incorporate components to provide an alternating- or direct-current output. These products have been investigated only for general use (unless otherwise marked) in unclassified locations. Each output complies with Class 2 voltage, current and volt-ampere limits as specified in ANSI/NFPA 70, "National Electrical Code." Maximum output voltage does not exceed 42.4 V peak for alternating current, 60 V for continuous direct current.

Power supplies identified with an enclosure type designation or as "Rain tight" or "Rainproof" are intended for use as indicated in Electrical Equipment for Use in Ordinary Locations ([AALZ](#)).

Class 2 power units intended for use with specific end-use product types that may involve mechanical hazards (such as gardening appliances or tools) are covered as part of the certified appliance or tool.

PRODUCT MARKINGS

If indicated for a specific end use in the individual certifications (such as for use with audio, radio, and television-type equipment), the products are so marked and have also been investigated to additional requirements found in the appropriate end-use product standard.

Class 2 power units marked "Backfeed Protected" (or "BFP") or equivalent incorporate integral protection to inhibit backfeed of current from the load during a fault in the output circuit or wiring of the power unit.

PRODUCT IDENTITY

One of the following product identities appears on the product:

Class 2 Battery Charger

Class 2 Power Supply

Class 2 Power Unit

Class 2 Transformer

Other product identities may be used as shown in the individual certifications.

The word "Transformer" may be abbreviated "XFMR," "XFRMR" or "XFORMER."

RELATED PRODUCTS

Class 2 power units intended for permanent electrical connection to the supply source are covered under Power Supplies, Specialty ([QQIJ](#)) or Transformers, Class 2, Class 3 ([XOKV](#)). Class 2 transformers with a cord and plug for connection to the electrical supply are also covered under Transformers, Class 2, Class 3 ([XOKV](#)).

Class 2 power units intended for use with medical and dental equipment are covered under Power Supplies for Use in Health Care Facilities ([KFCG](#)).

Class 2 power units intended as components of fire-protective signaling systems and burglary-protective signaling systems are covered under their respective categories.

ADDITIONAL INFORMATION

For additional information, see Electrical Equipment for Use in Ordinary Locations ([AALZ](#)).

REQUIREMENTS

The basic standard used to investigate products in this category is [ANSI/UL 1310](#), "Class 2 Power Units."

UL MARK

The Certification Mark of UL on the product is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The [Certification Mark](#) for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

Alternate UL Mark

The Listing Mark of UL on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and one of the following product names: "Class 2 Power Supply," "Class 2 Transformer," "Class 2 Power Unit," "Class 2 Battery Charger," or other appropriate product name as shown in the individual Listings. The word "Transformer" may be abbreviated "XFMR," "XFRMR" or "XFORMER."

* * * * *

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