



QQGQ.E305498

Power Supplies, Information Technology Equipment Including Electrical Business Equipment

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Power Supplies, Information Technology Equipment Including Electrical Business Equipment

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SHENZHEN HUONIU TECHNOLOGY CO LTD

E305498

BLK 5 THE 4TH INDUSTRIAL ZONE
XITIAN COMMUNITY
GONGMING TOWN GUANGMING NEW DISTRICT
SHENZHEN, GUANGDONG 518106 CHINA

AC ADAPTER, Model(s) HNBGxxxxyyWv "xxx" can be "090-240" to denote output voltage is 9.0 V to 24.0 V in step of 0.1 V; "yyy" can be "001-150" to denote output current is 0.01 A to 1.5 A in step of 0.01 A; "v" can be "U" or "X", U denote Non-Detachable plug, X denote Detachable plug;

HNBL050yyyywvSeries, HNFL050yyyywv Series (d)

HNBM050yyyywv, HNEM050yyyyUU, yyy=001-200, 3 digits, indicate output current from 0.1A to 2.0A in step of 0.01A, eg. 001=0.01A, 200=2.0A. w=U or W, "U" means output with USB connector; "W" means output with cord; v= U or X, "U" means USA plug; "X" means replaceable plug type

HNBrxxxxyywv @ **, HNCxxxxyyU series (b), HNErxxxxyywv (c), HNFBIIXxxxxyyUU(cc), HNFbxxxxyyU(cc)

HNFLxxxxyyUU, HNBLxxxxyywv, "xxx" 3 digits, indicate output voltage from 4.5V to 6.0V or 9V to 12.0V in step of 0.1V, "yyy" 3 digits, indicate output current from 0.1A to 1.0A in step of 0.01A, "w" can be "U" or "W", "U" means output with USB connector; "W" means output with cord,

HNJxxxxyyD series (a), HNSCxxxxyywv series (&)

HNSKxxxxyywv ("xxx" can be "045-135" to denote output voltage is 4.5V to 13.5V in step of 0.1V; "yyy" can be "001-250" to denote output current is 0.01A to 2.5A in step of 0.01A; "w" can be "W" or "U", W denote output with wire, U denote output with USB; "v" can be "U" or "X", U denote Non-Detachable plug, X denote Detachable plug.)

HNSOxxxxyyWv, HNSMxxxxyyWD(e)

AC Adapter, Model(s) HNxyyyzza series (Where The "x" can be "D" represent for DC cord output ,or "B" repret for USB output . The "yyy" represents output voltage "045" (4.5 Vdc) to "150" (15.0 Vdc), the step is 0.1V. The "zzz" represents output current "010" (0.1 A) to "200" (2.0 A), the step is 0.1A. The "a" can be "U" represent plug for stationary type; "X"? represent plug for detachable)

HNz030020Z,HNz030030Z,HNz030050Z,HNz030080Z,HNz030100Z,HNz042020Z,HNz042030Z,HNz042050Z,HNz042080Z,HNz042100Z,HNz045020Z,HNz045030Z,HNz045050Z,HNz045080Z,HNz045100Z,HNz050018Z, (#)

HNz045120Z, HNz045150Z, HNz045200Z, HNz045250Z, HNz045100Z, HNz045120Z, HNz050150Z, HNz050160Z, HNz050180Z, HNz050200Z, HNz050250Z, HNz060100Z, HNz060120Z, HNz060150Z, HNz060200Z, HNz060220Z, HNz060250Z, HNz075100Z, HNz075120Z, HNz075150Z, HNz075200Z, HNz090100Z, HNz090120Z, HNz090150Z, HNz090180Z, HNz105100Z, HNz105120Z, HNz105150Z, HNz105160Z, HNz120050Z, HNz120060Z, HNz120080Z, HNz120100Z, HNz120120Z, HNz120125Z, HNz120150Z, HNz135100Z, HNz135120Z, HNz150050Z, HNz150100Z, HNz150120Z,

HNz105020Z,HNz105030Z,HNz105040Z,HNz105050Z,HNz120020Z,HNz120030Z,HNz120040Z,HNz120050Z(!)(#)

HNz160100Z, HNz170100Z, HNz1800100Z, HNz190090Z, HNz210080Z, HNz240030Z, HNz240050Z, HNz240075Z

HNzxxxxyyU Series (where z = FA or B indicate output type. FA means output with cord; B means output with USB; xxx = 045-080 indicate output voltage is 4.5V-8.0V in step of 0.1V; yyy = 010-100 indicate output current is 0.1-1.0A in step of 0.01A)

AC ADAPTER (Switching Adapter), Model(s) HNFbxxxxyyU (xxx=045-080 indicate output voltage from 4.5 to 8Vdc in step of 0.1V; yyy=010-100 indicate output current from 0.1A to 1.0A in step of 0.01. Max output power 5W)

AC adapters, Model(s) HNN090xxxA(\$), HNN105yyyA(\$), HNN120zzzA(\$), HNN135aaaA(\$), HNN150bbbA(\$)

Power Supply, Model(s) HNBM050yyyywv Series (+), HNEM050yyyywv Series (+)

& - "xxx" can be "045-150" to denote output voltage is 4.5V to 15.0V; "yyy" can be "001-300" to denote output current is 0.1A to 3.0A; "w" can be "W" or "U", W denote output with wire, U denote output with USB; "v" can be "U" or "X", U denote Non-Detachable plug, X denote Detachable plug;

(!) - z can be A, B, C, H, K and G. A and H denotes the adapter use output power cord and use different Enclosure shape. B and G denotes the adapter use USB output terminal and use different Enclosure shape. A and B use the same enclosure; H and G use the same enclosure.

(#) - Z can be U, E, B, A, K, C, J, T and R to denote different plug type

(\$) - Where "xxx" can be 010-400, where "yyy" can be 010-350, where "zzz" can be 010-300, where "aaa" can be 010-270, where "bbb" can be 010-240.

(+) - "yyy" can be "010-200" to denote output current is 0.1A to 2.0 A; "w" can be "W" or "U", W denote output with wire, U denote output with USB; "v" can be "U" or "X", U denote Non-Detachable plug, X denote Detachable plug.

(a) - When xxx=120-155, yyy=010-500, represent rated output 12.0-15.5 Vdc/0.1-5.0 A, these models with output power not more than 60 W(xx.x times y.yy must not exceed 60); When xxx=156-240, yyy=010-350, represent rated output 15.6-24.0 Vdc/0.1-3.5 A, these models with output power not more than 60 W(xx.x times y.yy must not exceed 60).

(b) - When xxx=050-074, yyy=010-250, represent rated output 5.0-7.4 Vdc/0.10-2.50 A, these models with output power not more than 12.5 W (xx.x times y.yy must not exceed 12.5); When xxx=075-150, yyy=010-200, represent rated output 7.5-15.0 Vdc/0.10-2.00 A, these models with output power not more than 15 W (xx.x times y.yy must not exceed 15).

(c) - where r=A, B indicates different enclosure shape. A - Vertical square corner type, B - Horizontal type; xxx=050-080, 090-120 indicates rated output voltage range 5-8Vd.c., 9-12Vd.c., yyy=010-210 indicates rated output current range 0.10-2.10A; w=W or U indicates different output terminal. W - Output wire, U - USB output; v=U or X indicates different version of plug on enclosure. U - U.S. fixed type plug type, X - indicates detachable U.S. plug

(cc) - xxx can be 045 to 060 denotes output voltage from 4.5V to 6.0V with step 0.1V;yyy can be 001 to 100 denotes output current from 0.01A to 1.0A with step 0.01A;

(e) - v= U or X, indicates different plug type, U indicates America plug, X indicates detachable plug. xxx and yyy and are variables

** - Complimentary CCN AZSQ/7

@ - Where xxx-040-060 or 090-120 indicate output voltage is 4.0Vdc-6.0Vdc or 9.0Vdc-12.0Vdc in step of 0.1Vdc; yyy100-120 or 066-050 indicate output current is 1A-1.2A or 0.66A-0.50A in step of 0.01A, Max. Power does not exceed 6W; "r" = B, C or D indicates version of enclosure shape, "B" indicate horizontal enclosure, "C" indicate vertical enclosure and output terminal at bottom, "D" indicate vertical enclosure and output terminal at side; "w" = W, U version of output type, "W" means output with cord, "U" means output with USB; "v" = U, X indicate indicates version of plug type, "U" means fixed plug, "X" means replaceable plug.

d - "yyy" can be "010-100" to denote output current is 0.1A to 1.0A in step of 0.01A; "w" can be "W" or "U", W denote output with wire, U denote output with USB; "v" can be "U" or "X", U denote Non-Detachable plug, X denote Detachable plug

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GENERAL

This category covers power supplies rated 600 V or less, intended for use with information technology equipment (ITE) including electrical business equipment. End-use products that employ these types of power supplies are covered under Information Technology Equipment Including Electrical Business Equipment ([NWGQ](#)).

These power supplies are stand-alone units that deliver power to ITE via external interconnecting means.

This category also covers modular accessory power supplies. Such power supplies are types that are intended for field installation within personal computers, similar ITE, including telephone equipment. These modular power supplies are also provided with installation instructions relative to safe installation.

All power-supply types covered under this category are marked with input and output ratings that include the voltage and intended maximum load rating in amperes.

When power supplies intended for use with a detachable power-supply cord are not provided with such a cord, a cord suitable for connection of the equipment to the branch circuit is to be separately provided.

The investigation of a product covered under this category does not include the effects it may have on the system or equipment to which it is connected.

REBUILT PRODUCTS

This category also covers power supplies that are rebuilt by the original manufacturer or another party having the necessary facilities, technical knowledge and manufacturing skills. Rebuilt power supplies are rebuilt to the extent necessary by disassembly and reassembly using new or reconditioned parts. Rebuilt power supplies are subject to the same requirements as new power supplies.

PRODUCT IDENTITY

One of the following product identities appears on the product:

60950-1

60950-22

Information Technology Equipment Power Supply

I.T.E. Power Supply

ITE Power Supply

QQGQ Power Supply

UL 60950-1

UL 60950-22

The product identity for accessories includes the word "Accessory."

For rebuilt products, the word "Rebuilt," "Remanufactured" or "Reconditioned" precedes the product identity.

ADDITIONAL INFORMATION

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

REQUIREMENTS

The basic standards used to investigate products in this category are [ANSI/UL 60950-1](#), "Information Technology Equipment - Safety - Part 1: General Requirements," and [ANSI/UL 60950-22](#), "Information Technology Equipment - Safety - Part 22: Equipment to be Installed Outdoors."

All low-voltage outputs (maximum 42.4 V peak or 60 V dc) are safety extra-low-voltage (SELV) as defined in [ANSI/UL 60950-1](#), and, where noted in the test report, SELV for wet locations as defined in [ANSI/UL 60950-22](#). An output marked "LPS" has been determined to have an output level at or below the limited power-source level specified in [ANSI/UL 60950-1](#), as it relates to the requirements for equipment supplied by the output.

An output marked "Class 2" has additionally been investigated to [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.

For accessories, the Certification Mark is applied to modular accessory power supplies on an external surface that will be enclosed within the end-use product.

Additional Certification Markings

Products covered under this category are additionally marked with the following information:

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 or file number, and the category identifier "Information Technology Equipment Power Supply" (or "I.T.E. Power Supply" or "ITE Power Supply"), "QQGQ Power Supply," or the standard number with or without the "ANSI/UL" prefix (e.g., "ANSI/UL 60950-1," "60950-1").

For accessories, the Listing Mark is applied to modular accessory power supplies on an external surface that will be enclosed within the end-use product. The category identifier for accessories includes the word "Accessory."

For rebuilt products the word "Rebuilt," "Remanufactured" or "Reconditioned" precedes the product name.

* * * * *

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