

User's Manual Laptop Adaptor

- ▶ AH065-0S Series
- ▶ AH090-0S Series



GlacialTech[®] Enlighten Your Humanity

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<http://www.GlacialPower.com/>

Product Features

- Universal AC input
- Compatible with most of the laptops
- Protections including: OVP/OC/OTP/SCP
- DC output plug set available to convert DC connectors
- Full output power at 40°C operation temperature
- Power efficiency > 87%
- 2 years warranty

Specifications

| Model No / (Use) | GP-AH065-0S (Indoor use) | GP-AH090-0S (Indoor use) |
|--|---|-----------------------------|
| AC Input Voltage / Frequency | 100-240VAC, 47-63Hz | |
| DC Output Voltage | 19V | 19V |
| DC Output Current | 3.42A | 4.74A |
| Over Voltage Protection | If an over voltage that is caused by these adaptors' internal faults and will be lower than 29V (GP-AH065-0S) / 27V (GP-AH090-0S) occurs at the output terminals, the DC output will be latched off to protect your laptops from being damaged by the over voltage. | |
| Over Current Protection | If an over current that is caused by an over load and equal to 4.1A (GP-AH065-0S) / 5.7A (GP-AH090-0S) occurs at the output terminals, the DC output will be latched off to protect these adaptors from being damaged by the over current. | |
| Over Temperature Protection | If an over temperature that is caused by a slight overload or a poor ventilation occurs inside these adaptors, the DC output will be latched off to protect these adaptors from being damaged by the over temperature. | |
| Short Circuit Protection | If a short circuit that is caused by an improper operation or a faulty load occurs at the output terminals, the DC output will be latched off to protect these adaptors from being damaged by the short circuit. | |
| Conversion Efficiency | >87% | |
| Operation Temperature/Humidity | 0~40°C / 8~90% | |
| DC Output Plug Set | 6 Plugs | 7 Plugs |
| Leakage Current Current/Voltage/Frequency | < 100µA/240VAC/50Hz | < 75µA/254VAC/50Hz |
| Mean Time Before Failure Time/Temperature | 100khr min./25°C | |
| Safety Approvals | CE / GS / C-Tick / GOST / DOFT / MEPS / PSE | |
| Dimension | 108×45.5×30.5 mm | 132.5×57×30.3 mm |

Output Plug Set

| Type | Plugs Size | Laptop Manufactures | Remark |
|------|----------------------|--|-----------------|
| A | 4.75x1.7x9.5 mm | Acer,Asus,Clevo,Compaq,HP | |
| B | 5.5x2.1x12 mm | Acer,Compaq,Gateway,Hitachi,IBM,NEC,Sharp,Toshiba,Twinhead | |
| C | 5.5x2.5x12 mm | Acer,Asus,Clevo,Compaq,Fujitsu,Gateway,Hitachi,HP,IBM,NEC,Panasonic,Samsung,Sharp,Toshiba,Dell,Epson | |
| D | 6.3x3.0x12 mm | Acer,Asus,Compaq,HP,Toshiba | |
| E | 6.5x1.4x9.5 mm | Sony,Panasonic,Samsung,Fujitsu | |
| G | 7.9xP0.9x12 mm | Dell | Only For AH-090 |
| H | 7.4x5.1x0.6x12 mm | HP | |
| I | 7.4x5.1x0.6x12 mm+IC | Dell | Optional |

Operating Steps

- a. Please read carefully this users' manual before using these adaptors.
- b. To identify your laptop's DC input voltage, please read carefully the specifications set forth by a label at your laptop's bottom as follows:



INPUT: +19V --- 3.42A, 65W
INPUT: +19V --- 4.74A, 90W

Or a label at your original adaptor's bottom as follows:



OUTPUT: +19V --- 3.42A, 65W



OUTPUT: +19V --- 4.74A, 90W

- c. Please confirm your laptop's DC input voltage equals these adaptors' DC output voltage before taking the following operation steps.
- d. To pick out a DC output plug that fits your laptop's power port, please refer to the above table according to your laptop's brand name.
- e. If your laptop's brand name is not listed in the table, please try to match one by one all the DC output plugs with your laptop's power port.
- f. If no DC output plug fits your laptop's power port, please contact your local distributors for further assistance.
- g. If you find the DC output plug that fits your laptop's power port, please connect these adaptors to the AC voltage source designated by the product specifications and your laptop.
- h. Please turn on that AC voltage source to check whether both these adaptors and your laptop can work normally.
- i. If not, please make sure whether you have correctly followed all the instructions above.

Safety Approvals



Cautions

- These adaptors feed only on an AC voltage source designated by the product specifications.
- Misusing an inappropriate voltage source may lead to product damage.
- Please do not connect these adaptors to that AC voltage source before reading all the instructions above.
- Please put these adaptors out of the reach of children.
- Please do not use AH065-0S to supply any laptop that consumes more than 65 watts.
- Please do not use AH090-0S to supply any laptop that consumes more than 90 watts.
- Please keep good ventilation for the adaptors in use to prevent them from overheating.
- For more information, please visit our website at <http://www.glacialpower.com>.