

**KERIO**

# Universal Notebook AC Power Adaptor



*Perfect choice when you are looking for a second notebook power source  
Ideal replacement for your lost or broken original adaptor*



**65W**



**UL US** **GS** **CE FC**  
ES2048 65W

**90W**



**UL US** **GS** **CE FC**  
ES2048 90W

# Energy Knight

**Universal Notebook AC Power Adaptor** is the perfect choice for you while looking for a second notebook power source or in need for an ideal replacement for a lost or broken original adaptor. Its compact and small size design will not weight you down, and it allows you to power and charge your notebook easily at home or in an office.

- Universal type: Voltage Adjustment Device is an unique design.
- It allows you to change the voltage easily to match different notebooks.
- Compatible with most notebook models.

## 65W



### Specifications

**Input**  
Voltage 100~240VAC  
Maximum input surge current 50/60Hz 1.5A

**Output**  
Voltage 15~24VDC  
Maximum current output 3.7 Amp  
Power 65W (Max.70W)

**Physical**  
Case Dimensions 128 (L) x 51 (W) x 30 (H) mm  
Input AC Power Plug 0.9M  
Output DC Power Cable 1.8M  
Total Weight 270g  
Construction UL rated 94V-0  
Color Matted Black

**Certification Approvals**  
UL, FCC, TUV, CE

## 90W



### Specifications

**Input**  
Voltage 100~240VAC  
Maximum input surge current 50/60Hz 2A

**Output**  
Voltage 15~24VDC  
Maximum current output 4.7 Amp  
Power 90W (Max.100W)

**Physical**  
Case Dimensions 141 (L) x 58 (W) x 30 (H) mm  
Input AC Power Plug 0.9M  
Output DC Power Cable 1.8M  
Total Weight 500g  
Construction UL rated 94V-0  
Color Matted Black

**Certification Approvals**  
UL, FCC, TUV, CE

## Universal Powering Accessories

### Notebook DC Power Connector

Center Polarity+, 

Type A OD: 6.5mm, ID: 4.5mm  
Type B OD: 6.3mm, ID: 3.0mm  
Type C OD: 5.5mm, ID: 2.5mm  
Type D OD: 5.5mm, ID: 2.1mm  
Type E OD: 4.75mm, ID: 1.7mm  
Type F 7.4mm X 6.3mm  
Type G OD: 9.2mm, ID: 3.5mm  
Type Q OD: 7.7mm, ID: 2.5mm



### Output Voltage Adjustment Device

Purple (15V)  
Blue (16V)  
Red (18V)  
Green (19V)  
Black (20V)  
Orange (24V)



UK plug US plug AU plug EU plug

# KERIO

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**KERIO**

# Universal Notebook Car/Air Power Adaptor



*Keep your notebook recharged and powered while traveling*



**72W**



e13 021052 C SP 216677 GS E229348 C US FC

FAA quality compliant for safety and EMC (RTCA DO-160D)

**90W**



GS E229348 C US FC E13 10R-022444

FAA quality compliant for safety and EMC (RTCA DO-160D)

# Energy Knight

**Universal Car/Air Adaptor** allows notebook users to power and charge their notebooks easily while traveling in car or on an airplane.

- Adaptors included for both car and airplane connections.
- Connect to Empower installed in airplane seats or a standard cigarette lighter plug.
- Compatible with most notebook models.
- Light and compact.
- Over 90% Power efficiency.

## 72W



## 90W



**USB Port** enable you to use USB charging cable to charge a mobile phone or PDA

### Specifications

<b>Input</b>	
Voltage	11~15VDC
Maximum input surge current	30A
Maximum input power	80W
Fuse type of cigarette plug	User replaceable fuse, Fail-safe fuse 5AG, 8A 250V

<b>Output</b>	
Voltage	15~24VDC
Maximum current output	5.0 Amp
Power	72W (Max.75W)

<b>Physical</b>	
Case Dimensions	95 (L) x 42 (W) x 21 (H) mm
Total Length	1.3M +/- 5%
Total Weight	130g
Construction	UL rated 94V-0
Color	Matted Black

**Certification Approvals**  
FCC, CE, E-mark, UL, CSA, TUV, RTCA DO-160D

### Specifications

<b>Input</b>	
Voltage	11~15VDC
Maximum input surge current	30A
Maximum input power	110W

<b>Output</b>	
Voltage	15~24VDC
Maximum current output	6.0 Amp
Power	90W (Max.100W)
USB Output	5VDC 500mA

<b>Physical</b>	
Case Dimensions	100 (L) x 48 (W) x 24 (H) mm
Total Length	1.3M +/- 5%
Total Weight	170g
Construction	UL rated 94V-0
Color	Matted Black

**Certification Approvals**  
UL, TUV, FCC, E-mark, RTCA DO-160D

## Universal Powering Accessories

### Notebook DC Power Connector Center Polarity+, ⊖ ⊕ ⊕

Type A OD: 6.5mm, ID: 4.5mm
Type B OD: 6.3mm, ID: 3.0mm
Type C OD: 5.5mm, ID: 2.5mm
Type D OD: 5.5mm, ID: 2.1mm
Type E OD: 4.75mm, ID: 1.7mm
Type F 7.4mm X 6.3mm
Type G OD: 9.2mm, ID:3.5mm
Type Q OD: 7.7mm, ID: 2.5mm



### Output Voltage Adjustment Device

Purple	(15V)
Blue	(16V)
Red	(18V)
Green	(19V)
Black	(20V)
Orange	(24V)



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