

Combo

Car / Air / Home / Office Universal Power Adaptor

All-in-one design powers your Notebook anywhere and anytime. From any AC or DC power source, such as at home/office, in the car or in the airplane.

AC to DC / DC to DC Car / Air / Home / Office Universal Power Adaptor

Combo90



Features

All-in-one design powers your Notebook anywhere and anytime. From any AC or DC power source, such as at home/office, in the car or in the airplane.

High Quality
 * 95W Real Continuous Power
 * 120W Max.

* MTBF 50Khrs at full load at 25°C

* Green power available
 RoHS & REACH Approval by TUV
 * Meet CEC and EPA requirements

High Safety
 * 100% burn-in, Hi-pot test for each unit
 * Over Voltage Protection
 * Over Current Protection
 * Over Temperature Protection
 * Short Circuit Protection

Certification Approvals



General Specification

Input
 AC Voltage 100~240VAC
 Max input current 1.5A Max.
 DC Voltage 11~15.8VDC
 Max input current 1.5A Max.
 Efficiency $\geq 87\%$ 100Vac / Full Load
 $\geq 89\%$ 240Vac / Full Load

Environmental Specification
 Operating Temperature 0°C to 40°C
 Storage Temperature -20°C to 65°C

Physical
 Case Dimensions 155(L) x 65(W) x 30(H)mm
 Input AC Power Plug 1M
 Output DC Power Cable 1.8M
 Weight 550g
 Construction PC 130°C Anti-Fire Spec, UL rated 94V-0

Output Voltage		Load Range		Regulation (V)	Rated Power
Min.	Max.	Min.	Max.		
16V	0A	4.74A	15.5V~16.5V	76W	
19V	0A	4.74A	18.5V~19.5V	90W	
20V	0A	4.5A	19.5V~20.5V	90W	
5V	0A	1.0A	4.5V~5.5V	5W	

Ripple & Noise 300mV



AC to DC Home / Office Universal Power Adaptor

AD40



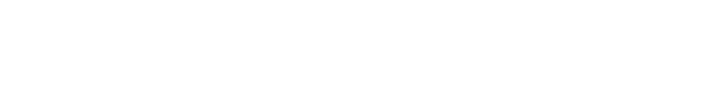
Features

High Quality
 * 40W Real Continuous Power
High Reliability
 * MTBF 50Khrs full load at 25°C

High Environmental Standard Spec
 * High Efficiency
 * Low Ripple & Noise
 * Green power available
 RoHS & REACH Approval by TUV
 * Meet CEC and EPA requirements
 * Standby Consumption Less Than 0.3W

High Safety
 * 100% burn-in, Hi-pot test for each unit
 * Over Voltage Protection
 * Over Current Protection
 * Over Temperature Protection
 * Short Circuit Protection

Certification Approvals



General Specification

Input
 Voltage 100~240VAC
 Frequency Range 47~63Hz
 Max input current 1A
 No Load Power Consumption $\leq 0.3W$ @240VAC
 Efficiency $\geq 87\%$ 100Vac / Full Load
 $\geq 89\%$ 240Vac / Full Load

Environmental Specification
 Operating Temperature 0°C to 40°C
 Storage Temperature -20°C to 65°C

Physical
 Case Dimensions 100(L) x 48(W) x 24(H)mm
 Input AC Power Plug 0.65M
 Output DC Power Cable 1.65M
 Weight 150g
 Construction PC 130°C Anti-Fire Spec, UL rated 94V-0

Output Voltage		Load Range		Regulation (V)	Rated Power
Min.	Max.	Min.	Max.		
12V	0A	3.0A	11.5V~12.5V	36W	
19V	0A	2.0A	18.5V~20V	38W	
5V	0A	0.5A	4.75V~5.25V	2.5W	

Ripple & Noise 200mV

Certification Approvals



AC to DC Home / Office Universal Power Adaptor

AD90



Features

High Quality
 * 90W Real Continuous Power
 * 100W Max.

* MTBF 50Khrs full load at 25°C

* Green power available
 RoHS & REACH Approval by TUV
 * Meet CEC and EPA requirements

High Safety
 * 100% burn-in, Hi-pot test for each unit
 * Over Voltage Protection
 * Over Current Protection
 * Over Temperature Protection
 * Short Circuit Protection

Certification Approvals



General Specification

Input
 Voltage 100~240VAC
 Frequency Range 47~63Hz
 Max input current 1.5A
 Efficiency $\geq 87\%$ 100Vac / Full Load
 $\geq 89\%$ 240Vac / Full Load

Environmental Specification
 Operating Temperature 0°C to 40°C
 Storage Temperature -20°C to 65°C

Physical
 Case Dimensions 141(L) x 58(W) x 30(H)mm
 Input AC Power Plug 0.9M
 Output DC Power Cable 1.8M
 Weight 410g
 Construction PC 130°C Anti-Fire Spec, UL rated 94V-0

Output Voltage		Load Range		Regulation (V)	Rated Power
Min.	Max.	Min.	Max.		
15V	0A	4.74A	14.5V~15.5V	71W	
16V	0A	4.74A	15.5V~16.5V	76W	
18V	0A	4.74A	17.5V~18.5V	85W	
19V	0A	4.74A	18.5V~19.5V	90W	
20V	0A	4.5A	19.5V~20.5V	90W	
24V	0A	3.75A	23.5V~24.5V	90W	

Ripple & Noise 300mV



AC to DC Home / Office Universal Power Adaptor

AD110



Features

High Quality
 * 110W Real Continuous Power
 * 120W Max.

* MTBF 50Khrs full load at 25°C

* Green power available
 RoHS & REACH Approval by TUV
 * Meet CEC and EPA requirements

High Safety
 * 100% burn-in, Hi-pot test for each unit
 * Over Voltage Protection
 * Over Current Protection
 * Over Temperature Protection
 * Short Circuit Protection

Certification Approvals



General Specification

Input
 Voltage 100~240VAC
 Frequency Range 47~63Hz
 Max input current 2A
 Efficiency $\geq 87\%$ 100Vac / Full Load
 $\geq 89\%$ 240Vac / Full Load

Environmental Specification
 Operating Temperature 0°C to 40°C
 Storage Temperature -20°C to 65°C

Physical
 Case Dimensions 155(L) x 65(W) x 30(H)mm
 Input AC Power Plug 0.9M
 Output DC Power Cable 1.8M
 Weight 430g
 Construction PC 130°C Anti-Fire Spec, UL rated 94V-0

Output Voltage		Load Range		Regulation (V)	Rated Power
Min.	Max.	Min.	Max.		
16V	0A	5.526A	15.5V~16.5V	88W	
19V	0A	5.526A	18.5V~19.5V	105W	
20V	0A	5.25A	19.5V~20.5V	105W	
5V	0A	1.0A	4.5V~5.5V	5W	

Ripple & Noise 400mV



AC to DC Home / Office Universal Power Adaptor

Slim AD65



Features

High Quality
 * Slim & Light Weight
 * 65W Real Continuous Power
 * 75W Max

* MTBF 50Khrs full load at 25°C

* Green power available
 RoHS & REACH Approval by TUV
 * Meet CEC and EPA requirements
 * Standby Consumption Less Than 0.4W

High Safety
 * 100% burn-in, Hi-pot test for each unit
 * Over Voltage Protection
 * Over Current Protection
 * Over Temperature Protection
 * Short Circuit Protection

Certification Approvals



General Specification

Input
 Voltage 100~240VAC
 Frequency Range 47~63Hz
 Max input current 1.5A
 Efficiency $\geq 87\%$ 100Vac / Full Load
 $\geq 90\%$ 240Vac / Full Load

Environmental Specification
 Operating Temperature 0°C to 40°C
 Storage Temperature -20°C to 65°C

Physical
 Case Dimensions 114.5(L) x 56(W) x 20.5(H)mm
 Input AC Power Plug 0.65M
 Output DC Power Cable 1.8M
 Weight 200g
 Construction PC 130°C Anti-Fire Spec, UL rated 94V-0

Output Voltage		Load Range		Regulation (V)	Rated Power
Min.	Max.	Min.	Max.		
15V	0A	3.7A	14.5V~15.5V	56W	
16V	0A	3.7A	15.5V~16.5V	59W	
18V	0A	3.6A	17.5V~18.5V	65W	
19V	0A	3.42A	18.5V~19.5V	65W	
20V	0A	3.25A	19.5V~20.5V	65W	
5V	0A	1.0A	4.5V~5.5V	5W	

Ripple & Noise 300mV



AC to DC Home / Office Universal Power Adaptor

Slim AD90



Features

High Quality
 * Slim & Light Weight
 * 90W Real Continuous Power
 * 100W Max.

* MTBF 50Khrs full load at 25°C

* Green power available
 RoHS & REACH Approval by TUV
 * Meet CEC and EPA requirements
 * Standby Consumption Less Than 0.5W

High Safety
 * 100% burn-in, Hi-pot test for each unit
 * Over Voltage Protection
 * Over Current Protection
 * Over Temperature Protection
 * Short Circuit Protection

Certification Approvals



General Specification

Input
 Voltage 100~240VAC
 Frequency Range 47~63Hz
 Max input current 1.5A
 Efficiency $\geq 87\%$ 100Vac / Full Load
 $\geq 90\%$ 240Vac / Full Load

Environmental Specification
 Operating Temperature 0°C to 40°C
 Storage Temperature -20°C to 65°C

Physical
 Case Dimensions 145(L) x 60(W) x 20.5(H)mm
 Input AC Power Plug 0.65M
 Output DC Power Cable 1.8M
 Weight 300g
 Construction PC 130°C Anti-Fire Spec, UL rated 94V-0

Output Voltage		Load Range		Regulation (V)	Rated Power
Min.	Max.	Min.	Max.		
15V	0A	4.74A	14.5V~15.5V	71W	
16V	0A	4.74A	15.5V~16.5V	76W	
18V	0A	4.74A	17.5V~18.5V	85W	
19V	0A	4.74A	18.5V~19.5V	90W	
20V	0A	4.5A	19.5V~20.5V	90W	
5V	0A	1.0A	4.5V~5.5V	5W	

Ripple & Noise 300mV

