

ADP90ADC+ Series

Single Output AC / Auto / Air Adapter



Features and Applications:

- Provide Max. 90W Continuous Output
- AC Wall Adapter and DC Auto / Air Adapter in One Unit
- Can be Switched between Charge (18.5V Output) and Non-Charge (15V Output) Mode
- Suitable to Use in Notebook and Rugged PC Application
- Works Great with the Laptop Auto Mounting Cradle
- Low Output Ripple and Noise
- Over Voltage, Over Current, Over Temperature, Short Circuitry and Reverse Polarity Protection
- Built-in EMI Filter

All specifications are typical at nominal input, full load, at 25°C unless otherwise stated.

Electrical Specifications

AC INPUT

Input Voltage Range	90 ~ 265Vac
Frequency	47 ~ 53Hz

DC INPUT

Input Voltage Range	10 ~ 32Vdc
Under-Voltage Protection	Triggered between 9 ~ 10Vdc
Reverse Polarity Protection	Protected and not damaged

OUTPUT

Maximum Power	90W Continuous
Output Voltage	18.5V / 15V +/- 4%
Max. Output Current	4.9A @ 18.5V, 6A @ 15V
Over Voltage Protection	Yes
Short Circuit Protection	Shutdown and auto-restart
Over Current Protection	8A Max.

Safety Certifications

UL	UL60950-1: 2003, First Edition
CE	CE
TUV	EN60950-1: 2001 +A11

General Specifications

Isolation Voltage	2150Vdc
Switching Frequency	100K Hz
Weight	0.525 Kg (1.157lbs.) max.
Warranty Info	1 year
MTBF	Upon Request

Environmental Specifications

Operating Temp	5°C to +40°C full load
Storage Temp	-20°C to +85°C
Relative Humidity	5% to 95% (non-Condensing)
Cooling	Convection
RoHS	Compliant



EMC

Conducted Emissions	EN55022,FCC part 15 level B
Radiated Emissions	EN55022,FCC part 15 level B

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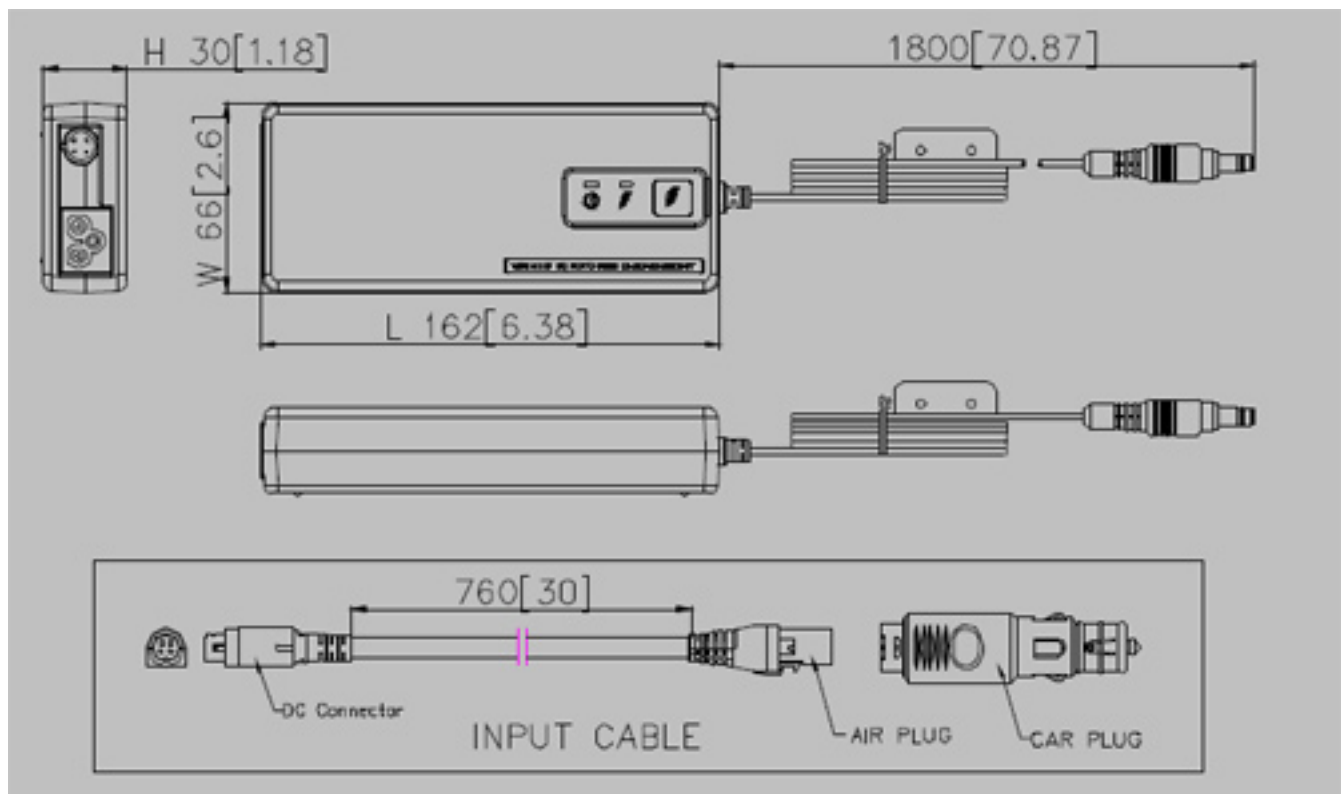
Order Information

Table1: ADP90ADC+ Series Model Output Specifications

Model	Output Voltage	Max Output Power Watts	Output Plug OD	Output Plug ID
ADP90ADC+	+ 18.5V / + 15V	90W	5.5 mm	1.7 mm

Note: The charge mode / non-charge mode switch is located on the top cover of the adapter case.

Mechanical Drawing



Dimension: mm. (inch.)