



For Use With:



STAY CHARGED WITH UNIVERSAL BATTERY® MAINTAINER 4000

Why universal battery® Maintainer 4000?

Custom-engineered to charge and maintain LiFePO4 (LFP), AGM and Nano-Silica sealed lead-acid batteries. Universal Battery® Maintainer 4000 ensures you get the best performance from your batteries by efficiently charging, maintaining, and prolonging battery life.

At UPG, we are deeply committed to always delivering the best in quality, performance and customer experience.

Stay charged. Stay powered.



THE GOODS INSIDE

Battery Charger	LFP Batteries it Can Charge	SLA Batteries it Can Charge
12V 4 amp LFP 3 Stage Charger	6Ah to 40Ah LFP	12Ah to 40Ah SLA

Input Voltage	90Vac - 132Vac
Frequency	47Hz - 63Hz
Max. Input Current	1.5A at 90Vac
Inrush Current	30A at 115Vac input, (25°C)
No Load Operation	<0.5W at 115Vac
Output Requirements (Nominal)	
Bulk charging at constant current	4A
Constant voltage absorption stage voltage	14.6V
Constant voltage float stage voltage	13.6V
LED Display (Color / Charge Status)	
Red Fast Charging	Orange Topping Charge
	Green Fully Charged
AC Input	AC Input 2 pin IEC C8 Jack
DC Output	Automotive S-Connector
Input to Output	50Ω at 500VDC M
Input to Case	10Ω at 500VDC M
Safety Environmental Conditions	UL1310, FCC, CEC, Level 4
Operating	
Ambient Temperature	0°C ~ 40°C
Relative Humidity	20% ~ 90%
Altitude	Sea Level to 10,000 ft
Vibration	
1.0mm, 10-25Hz, 15min per cycle for each axis (X,Y,Z)	
Cooling	Convection
Non-Operating	
Ambient Temperature	-10°C ~ 80°C
Relative Humidity	5% ~ 90%
Altitude	Sea Level to 10,000 ft
Vibration & Shock	
Power supply is designed to withstand normal transportation vibration per MIL-STD-810D, method 514 and procedures X.	

ENGINEERED FOR:



ATV & UTV



Battery Backup



Ice Fishing & Hunting



Industrial



Lighting



Medical



Security



Solar

3 STAGES:



Over Current Protection

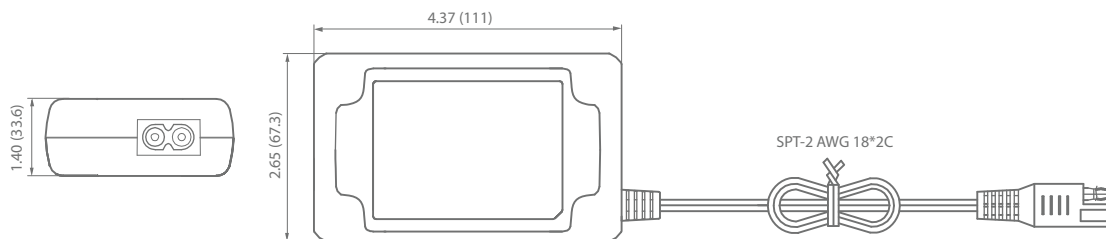
Short Circuit Protection

Over Voltage Protection

DIMENSIONS

L: 4.37 in (111 mm)
W: 2.65 in (67.3 mm)
H: 1.40 in (33.6 mm)

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.



universal battery® **MAINTAINER 4000**

Universal Power Group

488 S. Royal Lane · Coppell, Texas 75019
P - 469.892.1122 · TF - 866.892.1122
E - sales@upgi.com · www.upgi.com

Learn more about our products at www.upgi.com

Follow us on social media

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