

ADVENTURE POWER®

Portable Power Systems

Plug & Play



UPG No. 87573
UPG No. 87574

AP400
AP800



UPG No. 87584 UPG No. 87571

AP1800
AP1800S2



UPG No. 87575

AP 80 Watt
Solar Panel

Portable Power System Features

- + Separate models generate 400,800, and 1800 watts of output power
- + Easily installed anywhere
- + No fuel requirements
- + Completely safe for indoor use
- + Add a backup for stand alone systems
- + Simple plug and play system
- + USB port for charging handheld devices
- + AC outlets operate home appliances, power tools, and home electronics
- + Combine all models with solar panels (included with 1800S2 model)
- + Can be recharged from utility power with built-in AC charger
- + Each model contains a built-in battery. The AP1800 contains a 60Ah battery and additional battery boxes can be purchased separately to expand run times

Solar Panel Features

- + Environmentally friendly photovoltaic technology
- + High wattage polycrystalline panel up to 80 watts
- + Foldable panel with handle make for easy portability
- + Easy to use plug and play connectors
- + Great for use with RVs, boats, backup power and all 12V applications



Emergency Backup for Power Outages or Rolling Blackouts



Can be Used for Camping, Tailgating, Recreation and More!



Recharge from a Renewable Power Source



Recharge Through Household AC Power

Power. Anytime. Anywhere.™



ADVENTURE POWER®

Portable Power Systems

AP400 · AP800 · AP1800 · AP1800S2
AP 80 Watt Solar Panel



Specifications	AP Portable Power System		
	1800	800	400

Inverter:

Continuous Power	1800W	800W	400W
Surge power	3600W	1600W	800W
Output voltage	120 VAC		
Output waveform	Modified sine wave		
AC receptacles	4	2	2
Peak efficiency	90%		
No-load battery draw	<3W		
Transfer time	<30 ms		
AC input protection	15A	15A	10A

AC charger (built-in):

Charger current	5A	2A	2A
Charging stages	three-stages (bulk, absorption, float)		

Solar charger (built-in):

Input current	8 ADC maximum		
Charging stages	three-stages (bulk, absorption, float)		
Maximum input voltage	26 VDC		

5V USB:

Type	2 ports @ 2.1A 1 port @ 750mA 1 port @ 750mA		
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Battery:

Type	Deep cycle lead-acid		
Capacity	60Ah	40Ah	34Ah

Environmental:

Operating temperature	32° to 104° F (0° to 40° C)		
Storage temperature	-4° to 140° F (-20° to 60° C)		

Solar panel: (comes with AP1800S2)

Peak power (Pmax)	2 X 40W		
Voltage (Vmp)	17.5 VDC		
Open circuit voltage (VOC)	21 VDC		
Current (Imp)	2 X 2.29 A		

Estimated recharging time

Using built-in charger	14.5 hrs	24 hrs	20 hrs
Using 80W solar panel	13 hrs	11 hrs	18 hrs

Specifications	AP Portable Power System			
	1800	800	400	

Office Applications:

Cell phone	5W	95 hrs	65 hrs	55 hrs
Inkjet printer	8W	60 hrs	40 hrs	34 hrs
17" LCD monitor	35W	15.5 hrs	10.5 hrs	9.2 hrs
Table lamp (40W)	40W	12 hrs	8.5 hrs	7.2 hrs
Table lamp (60W)	60W	8 hrs	5.5 hrs	4.6 hrs
Laptop	65W	7.5 hrs	5 hrs	4 hrs

Emergency Power Applications:

Cordless phone	5W	90 hrs	65 hrs	55 hrs
Clock radio	8W	55 hrs	40 hrs	34 hrs
20" LCD TV	40W	13 hrs	9.5 hrs	8 hrs

Home Backup Power Applications:

Home alarm system	5W	90 hrs	65 hrs	55 hrs
8.8 cu. Ft. freezer	80W	4.5 hrs	N/A	N/A
18 cu. Ft. freezer	120W	3.5 hrs	N/A	N/A
Sump pump (1/4hp)	300W	65 mins	45 mins	N/A
1/2" drill	700W	19 mins	13 mins	N/A
Microwave	1000W	20 mins	N/A	N/A
Coffee maker	1200W	10 mins	N/A	N/A

How long will it provide power?

Laptop, inkjet printer, modem,	Up to	Up to	Up to
cordless phone	10 hrs	6.5 hrs	5.5 hrs
Cordless phone, 13" TV, radio	Up to	Up to	Up to
and table lamp	3.3 hrs	2 hrs	1.6 hrs
18.8 cu. ft. fridge and alarm	Up to	N/A	N/A
system	3 hrs		

Regulatory Approval

Conforms to UL STD. 1778
Certified to CSA STD. C22.2 No. 107.3-06
CE approval for 230 VAC model

