

ADVENTURE POWER®

Solar Power Systems

Plug & Play

**NOW
IN
STOCK**



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.™



*Products may vary from depiction.

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



Specifications AP Portable Power System

Inverter:

	1800	800	400
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):

	1800	800	400
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:

	1800	800	400
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

	1800	800	400
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

Office Applications:

	1800	800	400
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?

	1800	800	400
Laptop, inkjet printer, modem, cordless phone	Up to 10 hrs	Up to 6.5 hrs	Up to 5.5 hrs
Cordless phone, 13" TV, radio and table lamp	Up to 3.3 hrs	Up to 2 hrs	Up to 1.6 hrs
18.8 cu. ft. fridge and alarm system	Up to 3 hrs	N/A	N/A

Regulatory Approval

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



*Products may vary from depiction.

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