

Ordinary location rated 230VAC power source

Expro's portable AC power station is a standalone battery powered unit which contains a DC to AC power inverter to convert 12VDC to 230VAC at up to 1,000 watts (VA).

The unit is intended for temporary use to power Expro's ActiveSONAR™ and PassiveSONAR™ meters, and support equipment (laptops) for periods of up to 24 hours on one battery charge. It contains space and mounting straps for a sealed rechargeable lead-acid battery with circuitry to convert the DC power source to 50Hz AC power. A battery charging circuit is also included for recharging the battery from AC mains power.

The unit is ordinary location rated for use in non-hazardous areas, and includes a protective case for shipping and transportation.

Due to weight and shipping restrictions, it is recommended that the sealed lead-acid battery required for operation of the unit be sourced locally in the geography where the unit will be used.



Features:

- Provides 230VAC power (powers one sonar flow meter and laptop computer for up to 24 hours)
- Capable of providing up to 1,000 watts (VA) power
- UK-type AC plug built-in (additional plug adapters included)
- Built-in AC mains (180-165 VAC) powered charger for recharging battery
- LED indicator for battery charge state
- Two USB charge ports for charging USB devices

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Technical specifications:		
Parameter	Specifications	Comments
Inverter section		
Input voltage	12 volts DC nominal	
Output voltage	230 volts AC +/-8% Modified sine wave, 50Hz +/-3%	
Continuous power	1,000 watts	
Surge power	2,000 watts	
No load power dissipation	7.2 watts	
Low battery alarm	10.5 +/-0.5 volts DC	
Low battery shutdown	10.0 +/- 0.5 volts DC	
Charger section		
Input voltage	230 volts AC (180-265 VAC) 45-65 Hz	
Output current	10 amps (@12V)	
Battery type	Lead-acid	
Charging type	3-stage	
Maximum battery capacity	100 amp hours	
Environmental/mechanical		
Portability features	Equipped with telescopic handle and wheels	For use on smooth surfaces only
Over-temperature shutdown	+55°C +/-5°C	
Fuses	32V, 40A blade fuses Body style ATU or ATO/ATC	EMI P/N EEE00250-0001
Certification	CE marked	
Dimensions (power source unit) (h x l x w)	458mm x 419mm x 356mm 18" x 16.5" x 14"	
Dimensions (case) (h x l x w)	580mm x 432mm x 470mm 22.75" x 17" x 18.5"	
Weight (unit without battery)	10kg (22lbs)	
Weight (unit with 100AH battery)	41kg (89lbs)	
Weight (unit in case with battery)	54kg (119lbs)	
Battery recommendations		
Battery type	12 volt sealed deep cycle lead-acid (AGM or SLA or VRLA or gel cell)	Sealed battery recommended to reduce likelihood of acid spills
Battery capacity	100 AH maximum	Maximum battery capacity limited by maximum dimensions
Battery dimensions (h x l x w)	220mm x 335mm x 170mm 8.75" x 13.24" x 6.75"	Terminal plus case height 265mm (10.5") maximum
Battery connections	Terminals sized for M8 bolt/nut	
Recommended batteries	Powersonic PS121000U (or equivalent)	