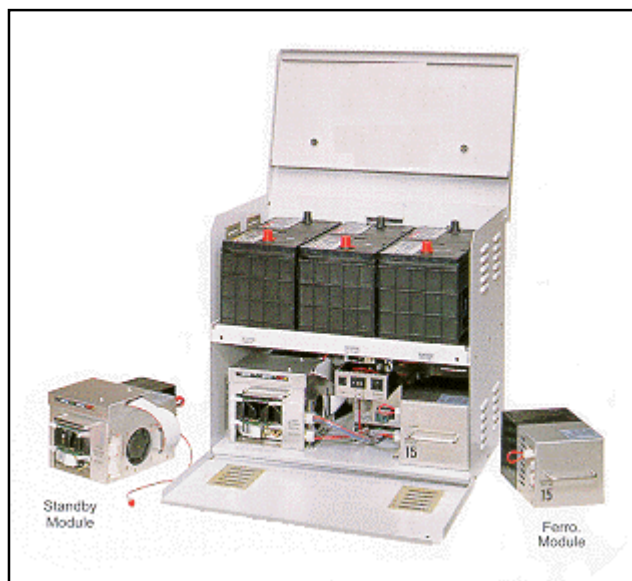


PSP 9300

90 VAC Standby Power Supply



PSP 9300 Series

The PSP9300 series 90 VAC Standby Power Supplies are designed for not only AC line normal but also standby powering needs in Two-Way Cable TV and Broadband Telecommunication Networks. Its total modular construction consists of a Ferroresonant Module, a Standby Module, and a pole/wall mount aluminized steel enclosure with the System Circuits Box (SCB), Backup power is achieved by a set of rechargeable, maintenance-free batteries.

The power supply provides the field-selectable 60 or 90 VAC RMS square wave output power with surge protection, current limited, overload protection, short circuit protection, and Automatic Diagnostic System (ADS) interface option available.

Standard Features

- Totally modular construction and System Circuits Box designed for easy to install, maintain, replace, or upgrade.
- Quasi-square wave output in ferroresonant mode and square wave output in standby mode provides regulated, and conditioned 60 or 90 VAC selectable.
- Automatic switch-over when either module is unplugged and no power loss when either module is removed.
- 90% high efficiency and $\pm 2\%$ regulation at full load.
- MOV (Metal Oxide Varistor) input surge protection.
- Foldback current limited output and thermal circuit breaker overload protection.
- Long-standing short circuit protected with automatic restart upon short or overload is removed.
- Automatic Diagnostic System (ADS) interface options available, programmable self-test and equalize charger intervals & durations.
- Battery breaker and thermostatically controlled battery charging.
- 6 Amperes charge current to shorten the recharge time.
- Fan cooled for longer transformer life.
- Auxiliary AC convenience outlet and positive disconnect feature to supply emergency generator power.
- AC Input, normal main, standby main, and self-test fault warning status indicators on bottom of enclosure.
- Security lock included and auxiliary mounting bracket options available.
- Lightweight aluminized steel housing and all external fasteners stainless steel, weatherproof design idea for use in the harshest of environments.

Nominal Specifications

Model Number	Input Voltage	AC Line Frequency	AC Output Voltage & Current (RMS)		Output Power	Weight* lbs. (kgs.)
PSP 9310A	110 ± 15 VAC	60 Hz	87 VAC, 10 Amps	63 VAC, 15 Amps	900 VA	81,1 (36,8)
PSP 9310E	220 ± 25 VAC	50 Hz	87 VAC, 10 Amps	63 VAC, 15 Amps	900 VA	85,1 (38,6)
PSP 9310P	220 ± 25 VAC	60 Hz	87 VAC, 10 Amps	63 VAC, 15 Amps	900 VA	82,0 (37,2)
PSP 9310S	Specify Input/Output Voltage and Frequency				Output 900 VA (Maximum)	

* Batteries weight not included

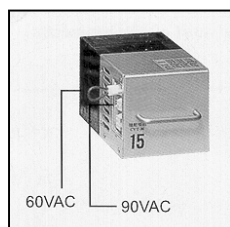
General Specifications

Ferroresonant Module Characteristics	Standby Module Characteristics	General Characteristics
Output Wave Form Quasi-Square Wave	DC Input Voltage 36 VDC	Status indicators AC Input (Orange), Normal Main (Green), Standby Main (Red), Self-Test Fault Warning (Red).
Regulation ±2%	Battery Quantity & Type Three 12 VDC Maintenance-Free	
Efficiency 90% typical	Output Wave Form Square Wave	Accessories Auxiliary Inlet, Ground Clamp
Surge Protection 57 or 107Joule MOV Standard	Efficiency 85% Typical	Automatic Diagnostic System (ADS) Programmable Self-Test and Equalize Charge Intervals & Durations (Options)
Overload Protection 10 or 15 Amps Thermal Circuit Breaker	Charger Type Float or Equalize Charger	
Foldback Limited 150% of Full Load Typical	Charger Current 6 Amps. (Maximum)	Mounting Style Pole or Wall Mount
Accessory Auxiliary AC Convenience Outlet	Thermal Protection 149°F (65°C) Temperature Compensated Battery Charger	Temperature Range -40°F to +140°F (-40°C to +60°C)
Transfer Time 4 Milliseconds (Maximum)	Standby Time* 3 Hours Typical	Relative Humidity 0~95% (Non-Immersible)
Transfer Delay Protection 8 Seconds Typical	Recharge Time* 12~16 Hours Typical	Dimensions 2,8" W x 17,7" H x 61,3" D 580mm W x 450mm H x 415mm D)

* Standby and recharge time based on 100AH batteries at 77°F (25°C), & typical 80% load.

Figures will vary according to: battery age, capacity & condition, type of load, temperature and other factors.

Field-Selectable Output



Specifications subject to change without notice.

PAMA, spol. s r.o.

Letenská 1918

756 61 Rožnov pod Radhoštěm

Czech Republic

phone: +420 571654130, fax: +420 571654133

e-mail: pama@pamacorp.com

http://www.pamacorp.com

