



GAMATRONIC

Our Power, Your Confidence



Power System 1006 (PS 1006)

The Gamatron PS 1006 power system provides clean DC power to sensitive equipment, and at the same time charges the battery bank and supplies backup power during mains failure.

The PS 1006 contains a 19" subrack that can house up to six hot-plugged rectifiers, a V/A meter or controller and an LVD device.

Two configurations are available:

- ▶ **Basic shelf I** includes a 19" 3U shelf (subrack) with up to six rectifiers, a digital V/A meter and an Electronic LVD device.
- ▶ **Basic shelf II** includes a 19" 3U shelf with up to six rectifiers, SC 1006 controller and an Electronic LVD device.

Features

- One to six hot-swap rectifiers
- Active current sharing among rectifiers
- Universal input voltage
- A built-in dual 70A Electronic Low Voltage Disconnect device (ELVD) for battery protection
- A high-performance, hot-swap system controller (SC 1006) measure, monitor and control voltages, current, power, battery, temperature parameters etc.
- RS232 (SC1006) or TCP/IP communication (SC 1006 NET)
- Temperature compensation enhance battery life
- Battery current limit
- Up to two battery sets handled in one system
- Automatic and pre-programmed battery test (for each battery set)
- Automatic and pre-programmed equalize charging mode
- Comprehensive remote control and monitoring of the system using a dedicated graphical user interface (GeMSi, PSM-DC 1006)
- Breaking alert by modem (option)
- Battery / Load terminals protected by a dedicated thermal-magnetic circuit breaker



System Controller 1006 (Standard)

Features

- Large bright three-digit display
- RS232 serial port via RJ45
- Control of ELVD(s)
- Battery current limit
- Periodic and manual battery test
- DC voltage compensation according battery temperature
- Two temperature sensors for reliable measurement
- LED indicators on the front panel
- Audible alarm
- Measurements and indications:
 - >> DC voltage
 - >> Load current
 - >> Battery current
 - >> Rectifier current
 - >> Power (in Watts)
 - >> AC voltage and frequency
 - >> Status of input, output, ELVD, rectifiers, battery and circuit breakers
 - >> Battery temperature
 - >> Breaking alert by modem
 - >> Dry-contact signals (3 alarms)
- Control:
 - >> Battery test
 - >> Two charging modes (FL, EQ)
 - >> DC voltage-settings (EQUALIZE or FLOAT charge modes)
 - >> ELVD threshold setting (connect, disconnect)
 - >> Unconditional control of each ELVD
- Calibration by software (all-digital, no analog potentiometers)
- Graphical User Interface (GUI) (PC)
- Real-Time-Clock (RTC) with backup
- Events log
- Additional dry contacts (3)

System Controller 1006 NET (optional)

Additionally the NET model offers:

- Communication via SNMP - TCP /IP from front panel by RJ45
- User defined communications - RS232 or SMMP (PPP / 10baseT)

