



## Description

The Galero™ Power System provides large power system features in cost-effective, rack-mounted form factors. These power solutions provide rectification, control and power distribution all in one compact system while offering extensive local and remote power system and battery monitoring.

System management is accomplished through the system controller (GMC). Status indication is made via LED's, while detailed information and remote operation are accomplished through the PC-based PowCom™ software package.

## Features

- High reliability
- Simple installation and operation
- Natural convection cooling - no fans
- RS232 interface for remote operation
- Form "C" dry alarm contacts
- Intelligent battery management
- Pluggable controller and DC distribution modules
- Optional Ethernet (SNMP compatible) interface module
- International standards compliance

## System Configurations



### Galero 1750 System

All-in-one 125 mm high shelf system for integration into standard 19" or ETSI cabinets.  
Complete subrack for five rectifier modules, supervision module and DC distribution with battery breakers (1-2) and load breakers (9-10).



### Galero 2450 System

All-in-one 125 mm high shelf system for integration into standard 19" or ETSI cabinets.  
Complete subrack for seven rectifier modules, supervision module and DC distribution including battery breakers (1-2) and load breakers (2-3).

## System Components

### Rectifier Modules

The Galero Shelf System utilizes plug-in rectifier modules based on a soft-switching approach. Features include 2xLED for rectifier status indication, thermal protection with de-rating and input over-voltage disconnection with automatic reset.

#### Rectifier Features

Model	Voltage	Power (max.)	Current (max.)
<b>CMP 3.48</b>	48V DC	364W	6.5A



CMP 3.48 Rectifier

### Supervision Module (GMC)

Advanced system supervision is accomplished using a microprocessor based module that allows both local and remote system monitoring.

- Advanced system monitoring
- RS232 interface for remote operation
- Battery management and testing
- Automatic testing
- Low voltage battery disconnect (LVBD)
- Temperature compensation
- Battery symmetry measurement
- Monthly logging of battery parameters including "temperature-hours"
- Site programmable Flash EPROM
- Programmable alarms
- Programmable logic circuit
- Optional Ethernet interface through SNMP and/or TCP/IP



GMC Supervision Module

**Input**

<b>Model</b>	Galero 1750	Galero 2450	
<b>Input</b>	230/400V AC 3-phase 205-240V AC 1-phase (site configurable)	230/400V AC 3-phase 205-240V AC 1-phase (site configurable)	
<b>Inputs (max.)</b>	Single input	Single input	

**Output**

<b>Rectifier Modules (max.)</b>	5		7	
<b>Battery Outputs</b>	1	2	1	2
<b>Load Outputs</b>	10	9	3	2
<b>48V DC</b>	Yes		Yes	

**Features**

<b>Supervision</b>	GMC	GMC	
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**Battery**

<b>Battery Symmetry Inputs</b>	2	2	
<b>Low Voltage Battery Disconnection (LVBD)</b>	Yes	Yes	
<b>Temp. Comp. Charge</b>	Yes	Yes	

**Mechanical**

<b>Dimensions (WxHxD)</b>	483x125x280mm	483x125x280mm	
<b>Mounting</b>	19in., ETSI	19in., ETSI	
<b>Cable Entry</b>	AC - Rear DC and signals -Top	AC - Rear DC and signals -Top	

**Options**

<b>Temp. Comp. Charge</b>	Yes	Yes	
<b>Battery Symmetry Measurement</b>	Yes	Yes	
<b>Ethernet Network Interface</b>	Yes	Yes	
<b>Partial Load Disconnect</b>	N/A	N/A	
<b>Integrated Surge Arrestors</b>	N/A	N/A	