



# IGM02

## -48V/24V Intelligent Controller Module



### Features

- Intelligent central control unit, monitor & control complete system
- 1 U design with 219mm depth modular design. Suitable for ESTI application
- Hot pluggable without affecting system operation
- Front panel LCD and buttons for on-site service without PC
- Comprehensive battery management control extending battery life
- Design with EMC compliance & superior immunity to EMI interference, static and surge
- Compatible for -48V/+24V application
- Wide temperature operating range (-40°C to +65°C)
- Password protected operator access levels

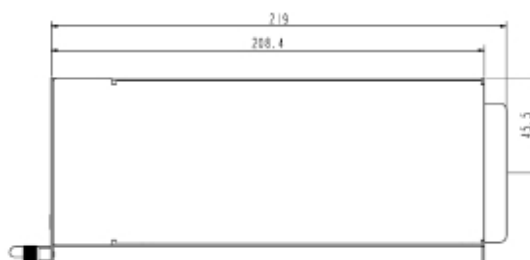
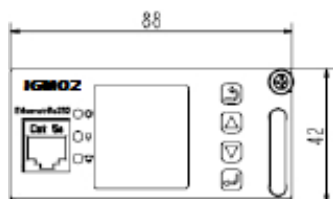
### Description

IGM02 is 48V/24V central intelligent control module with extreme capability for collecting system data, report, alarm log & control, battery management, data transmission, load control & remote monitoring function.

Interface with the IGM02 can be via RS232, Ethernet (IGM02-E) or local access. Battery management come with mid-point monitoring, automatic battery test.

IGM02 come with built-in user friendly web browser access and allow users to customize logic control (PLC) that satisfy every different requirement.





## Technical Specifications

### Overall

Operating Voltage	19 to 60 V DC
Power Consumption	5W
EMC	EN300 386, 2001 CLASS B, FCC part15 CLASS B
Safety	IEC60950-1, EN60950-1, UL60950-1
Marking	CE

### Mechanical

Dimension (H×W×D)	42×88×219mm
Weight	0.8 kg

### Operating Environment

Operating Temperature	-20 to +65°C
Storage Temperature	-40 to +75°C
Relative Humidity	0 to 95%
Altitude	2000 m

### Input/Output Interface

Display	8*16 Characters
Analogue Signals Sampling	Battery Current, DC Voltage Temperatures, Battery Symmetry measurement
Digital Signals Sampling	Battery MCB trip, Load MCBs trip, 4 X Digital Inputs
Digital Signals Output	Load Disconnect, Battery Disconnect, 6 X dry contacts
Interface	IGM02: RS232, IGM02E: Ethernet
Protocol	YDN23, HTTP, SNMP

### Alarms

Local Alarms Log	50
History Alarm Logs	200
Event Log	1000
Battery Test Report	10
Available Alarms	AC Failures, DC HV/LV, Battery/Load MCBs trip, High Temp, Surge Protection Disconnect, Battery LV disconnect, modules fault, communications fault

### Main Features

Float charge management	Normal, quick & schedule battery test
Battery management and maintenance	Loads management and protection
Modules management	Modules power saving algorithm
Alarms consolidations and logs	WEB browser interface, HTTP/SNMP, YDN23, RS232/Ethernet, modem support
Temperature compensated charging	Programmable alarms logic thru PLC
User password management	Programmable alarms name with different levels
Configuration up/download	Hot plug without affecting overall system operation

### Note

Ordering Information	IGM02 (RS232)
	IGM02E (Ethernet)