

## BATTERY RECTIFIER UNIT

## RAG110

The Inotel RAG110 battery rectifier unit is an uninterruptible DC power supply designed to meet 110 VDC industrial power requirements. It integrates a rectifier, battery, and filter group within a single system. The RAG110 series rectifier has been developed using innovative power electronics engineering techniques. As a result, it offers users:

- High efficiency,
- Long lifespan,
- Cost-effectiveness,
- High stability.



### GENERAL

Operating Temperature	-20°C...+55°C
Storage Temperature	-20°C...+55°C
Humidity	%95
Protection Class	IP22
Cooling	Fan Cooling

### DIMENSIONS

Height x Width x Depth	300 x 540 x 1240 mm
Weight	146 kg

### ELECTRICAL SPECIFICATIONS

Supply Voltage	230 Vac (+/- 20%)
Max. Input Current	20 A
Max. Input Power	4750 VA
Output Voltage	90-125 Vdc
Max. Output Current	25 A
Max. Output Power	3100 W
Power Factor	>0.8
Efficiency	>%75
Battery Charge Current	2.6 A

### TEST & CERTIFICATION

IEC 60146-1-1	IEC 61000-4-4
IEC 61000-4-2	IEC 61000-4-5
IEC 61000-4-3	IEC 61000-4-6
IEC 60068-2-1	IEC 60529
IEC 60068-2-2	IEC 60896-21
IEC 62262	IEC 60146-1-3

### HMI TOUCH SCREEN & LED INDICATORS

Screen	2.8" TFT-LCD touch panel
Menus	System/Alarm/Configuration
Functions	Current limiting Voltage adjustment Deep discharge protection Soft start feature Independent adjustment of battery charge current and total system current Battery maintenance programs Temperature values Battery full, normal, and automatic charge mode
LEDs	MCB Position and Alarm LEDs

### CONNECTION INTERFACES

Communication	1x RS485 port for MODBUS 16x SPDT (NO/NC)
Relay Outputs	5 A 30 Vdc 10 A 277 Vac

### AREAS OF USE

Transformer Stations
LV Distribution Panels
SCADA Systems
Automation System
Industrial Facilities
Power Plants

