

Rectifier BFR

Highly efficient switched-mode rectifier BFR



Rectifier module BFR30

Highlights

- | High efficiency
- | Hot swap technology
- | Extremely high power density coefficient
- | Front to back air flow, no scalability limitation
- | Galvanic isolation in each formation circuit
- | Fail-safe modular structure combined with fault tolerant solutions

EFFICIENT. INTELLIGENT. MODERN.

Rectifier BFR – rectifier for working in parallel as a part of the Batt-Force system.

Performance

Batt-Force is designed for formation of various types of batteries – VRLA, industrial, automotive or special batteries. It can be used for air-cooled or water-cooled formation processes.

Scalability

Batt-Force is free-scalable. Output current range: from 30 A to 1000 A. Output voltage: up to 360 VDC.

Reliability

Maximum protection through galvanic isolation in each charging-discharging module.

Green

Batt-Force doesn't waste energy. High efficiency combined with the grid-connected discharging system BSI. Energy reuse!

Features

- ✓ Protection against over-voltage and disturbances at the input
- ✓ Protection against short circuit at the output
- ✓ Temperature regulation
- ✓ Digital, light and sound signalling
- ✓ Fast and safely rectifier module exchange.
- ✓ Soft start after module exchange
- ✓ Batt-Force Monitor – battery testing and formation software

Technical data

Rectifier BFR series

Rectifier module	BFR 30
Input (AC)	
Voltage, nominal	3 x 400 V
Frequency	50 Hz / 60 Hz
Output (DC)	
Voltage	360 V
Current	30 A
Current stability, from 10% to 100%	± 1%
Power, nominal	10.8 kW

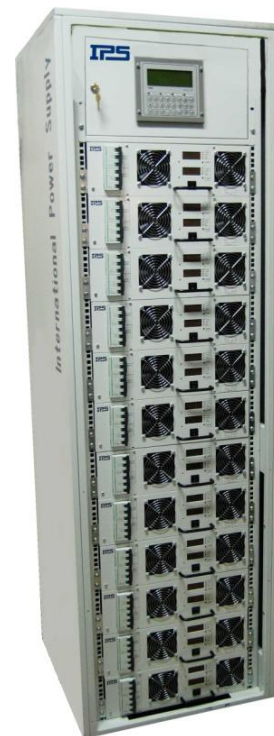
System example: Batt-Force R360

Total power: 130 kW, 360 Amps @ 360 VDC

Total height: 42U

Dimensions (WxD) mm: (600x600)

- **12 x Rectifiers BFR30**
 - Power, nominal: 10.8 kW
 - I out: 30 A



Battery formation system Batt-Force R360