



INVERTER - UPS

IGBT Based High Frequency Electro Plating Rectifier

**Power That
Never Break**



FEATURES

- Power saving (high efficiency $\geq 90\%$)
- Much less process time needed
- Low ripple at all output current
- Special treatment in corrosive factory
- Digital control, software programming
- High stability to load variation
- Long time high control accuracy ($\leq 0.5\%$)
- RS485 communication Optional
- Amperehour for dosing system control
- Timer function for automatic running
- Resolution 1A and 0.1A
- Accurate output value setting
- Circuit board are anti corrosion treated, screws are stainless steel material.



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SPECIFICATIONS :

Rectifier type	: IGBT high frequency rectifier, modular structure
Working duty	: 100% 24 hours continuous running
Supply voltage	: 415VV AC \pm 10% 3 phase 3 wire, 50-60Hz
Rated output voltage	: DC 8V, 12V
Rated output current	: DC 500, 750, 1000, 1500, 2000 Amp
Output range	: 0-100%
Control Accuracy	: \leq \pm 0.5%
Power factor	: \geq 0.94
Efficiency	: typical 90% at rated output
Current ripple	: \leq 2% of rated output current at constant current mode, low ripple in whole range provide good plating quality.
Control mode	: constant current / constant voltage
Cooling	: Forced air cooling,
Protections	: Output overcurrent protection Short circuit protection Over heat protection Input over/under voltage protection IGBT Driving protection
Ambient temperature	: Max. 40 \square , derated operation up to 50 \square
Altitude	: \leq 2000m altitude. De-rated operation if higher.
Humidity	: Max. 90% RH, non-condensing

FUNCTIONS

- Constant current, constant voltage setting
- Local, remote control setting
- Output current or voltage setting
- Time setting
- Amperehour control for dosing system (Optional)
- Timer reset
- Amperehour reset
- START/STOP
- Rectifier stop delay time setting
- Protection shield function
- DC output voltage, current, display
- Rectifier running status display
- Alarm indication and sound
- Keep last time setting mode and output value when power-on again
- In case of power failure, after power resuming, the rectifier could switch on automatically and start rising up to set current.
- Alarm type: Audible and visual alarm

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