

IGBT Based High Frequency Electro Plating Rectifier



INVERTER - UPS



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.
- Touch screen HMI easy of operatin



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	: 6V TO 200 VDC
Rated output current	: 300 TO 10000 AMP
Output range	: 0-100%
Control Accuracy	: $\leq \pm 0.5\%$
Power factor	: ≥ 0.98
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	: Up to 50°
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

UMA POWERTRONICS PVT. LTD.

"UMA HOUSE", Plot No.10, B/h. Near Metro Automobile, Near Railway Over Bridge, Jamnagar-Rajkot Highway,
At. Hapa, Dist. Jamnagar-361120. (Gujarat) (India) CONTACT : 0288-2571524, 2571624
Email : info@alfaups.in | Web : www.alfaups.in