ProUPS 120VDC
80A to 500A Rectifier

Professional Series Industrial 120VDC Rectifier

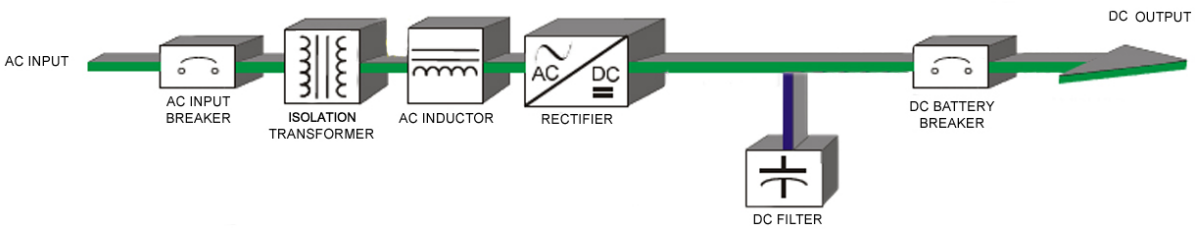
- Available in 10kva, 15kva, 20kva, 30kva, 40kva, 50kva, and 60kva Power Ratings
- Three Phase Input (208VAC thru 600VAC*)
- Output (80A thru 500A*)
- 3-Phase 50Hz or 60Hz Input
- 20-Year Design Life
- Four Quadrant IGBT Solid State Design
- Power Factor Correction For Lower Power Consumption Charges
- High DC Filtering/Extremely Low Ripple
- RFI/EMI Filtration and Surge Suppression
- Full Isolation Copper Wound Transformers
- LCD Monitoring Panel
- LED Power Flow Diagram
- Form "C" Alarm Interface Contacts
- Built to Meet UL1778, NEMA, NEC, ANSI and FCC requirements

*Contact Factory for any custom requirements

80A – 350A Model

OPTIONS

- ⇒ Multiple Voltage Inputs Available
- ⇒ 65kAIC Breakers
- ⇒ Air Filtration and Gasketing
- ⇒ Conformal Coating
- ⇒ Key Lockable Doors
- ⇒ Drip Shield
- ⇒ Wall Anchor Brackets
- ⇒ Multiple Output Terminal Blocks/Breakers
- ⇒ Emergency Power Off / Shunt Trip
- ⇒ Pad Lockable Breakers
- ⇒ Customizable Designs for Unique Applications



Industrial 120VDC 80A to 500A Rectifier

Technical Specifications							
Model	**LT1048H**	**LT1548H**	**LT2048H**	**LT3048H**	**LT4048H**	**LT5048H**	**LT6048H**
Max Recharge	83.3A	125A	166A	250A	333A	416A	500A
Max AC Input (480V)	16A	24A	32A	48A	65A	80A	97A
Max AC Input (208V)	37A	56A	75A	112A	149A	186A	224A
Mechanical							
Size W x D x H (in)	31.5x34x65	31.5x34x65	31.5x34x65	31.5x34x65	31.5x34x65	49.5x34x65	49.5x34x65
Weight (lbs)	900	1,100	1,280	1,410	1,550	1,870	2,110
Heat Loss							
BTU/Hr	3855	5294	5868	9169	9952	10,257	12,822

Electrical

AC Input: 3-Phase 208, 380, 480,600 (+-10%)
DC Output: 110/120/220/240/360/480VDC
Ripple: <2% RMS
Input THD: <4% RMS

Environmental

Ambient Temperature: 0°C to 40°C (45°C capable)
Relative Humidity: Up to 95% non-condensing
Acoustical Noise: <65dB (A) scale @ 1 meter
Altitude: 5,000 Ft without de-rating
Storage Temperature: -20°C to 70°C

General Information

Cable Entry: Top or Bottom
(Side Entry Optional)
Ventilation: Forced Air N+1
Exterior Finish: Light Gray Powder Coat
(316 Stainless Steel Optional)
Cabinet: NEMA 1 (IP20), 14ga (2mm) Steel Seismic Zone 4 Rated
(Drip Shield , Air Filters and Gasketing Optional)

Note:

1. *Specifications shown reflect standard 60Hz Rectifier models. Models of 50Hz, 400Hz, or other input/output/battery voltage configurations are available by contacting the factory.*
2. *All data is subject to change without notice.*

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