

Rectifier Module
24VDC / 1125A Output

BREC-24

Product Features:

- Power Rectifier for Ballast Water Treatment
- Wide-Range Input Voltage (3Ø, 375VAC ~ 510VAC)
- Compact, Modular Design (easy module replacement)
- High Power Density; Water-Cooled Design
- Parallel Connection, up to 8 modules
- Output Current & Voltage Control Modes
- Soft start for safe, energy-efficient operation
- LED Alarm Indicators
- Constant Electric Power Control



Input Specifications:

| | |
|------------|---|
| VOLTAGE | 3Ø440VAC (374VAC ~ 510VAC) |
| FREQUENCY | 47-63Hz |
| INRUSH | 50A @ 440VAC per Module |
| CURRENT | 40A @ 440VAC(Max Continuous) per Module |
| PROTECTION | UVP, OVP, IGBT Ic P/T, A Fuse per phase |
| LEAKAGE | 3.5mA Max @ 440VAC per Module |
| EFFICIENCY | Over 85% |
| HARMONICS | EN61000-3-2 Class D Compliant (>90PF) |
| PROTECTION | Input Undervoltage, Overvoltage |

Output Specifications:

| | |
|-------------------|---------------------------------|
| Vout | 24VDCmax |
| Iout | 1125ADC (1300A at 20VDC) |
| ADJUSTMENT RANGE | 1VDC~24VDC |
| LINE REGULATION | ±2% Max over entire input range |
| LOAD REGULATION | ±2% Maximum |
| TEMP REGULATION | ±2% Maximum |
| SETPOINT ACCURACY | ±0.5% |
| OVER CURRENT | 105~120% |
| OVER VOLTAGE | 25VDC(recycle input to reset) |
| PROTECTION | Thermal Shutdown |

Status & Control signals:

CURRENT SHARE <10% of nominal current

General Specifications:

| | |
|--------------------|---|
| OPERATING TEMP | 0°C to +55°C |
| STORAGE TEMP | -25°C to +75°C |
| WATER TEMP | 0°C to +40°C |
| OPERATING HUMIDITY | 10% to 95% (Non-Condensing) |
| STORAGE HUMIDITY | 5% to 95% (Non-Condensing) |
| COOLING | Cooling Water |
| VIBRATION | 2-100Hz, 0.7G, 120min period each(3 axes) |
| RELIABILITY | 150,000 Hrs MTBF |
| ALTITUDE | 0~10,000 Feet |
| SIZE(W×D×H) | 390×356×250mm(Module) |

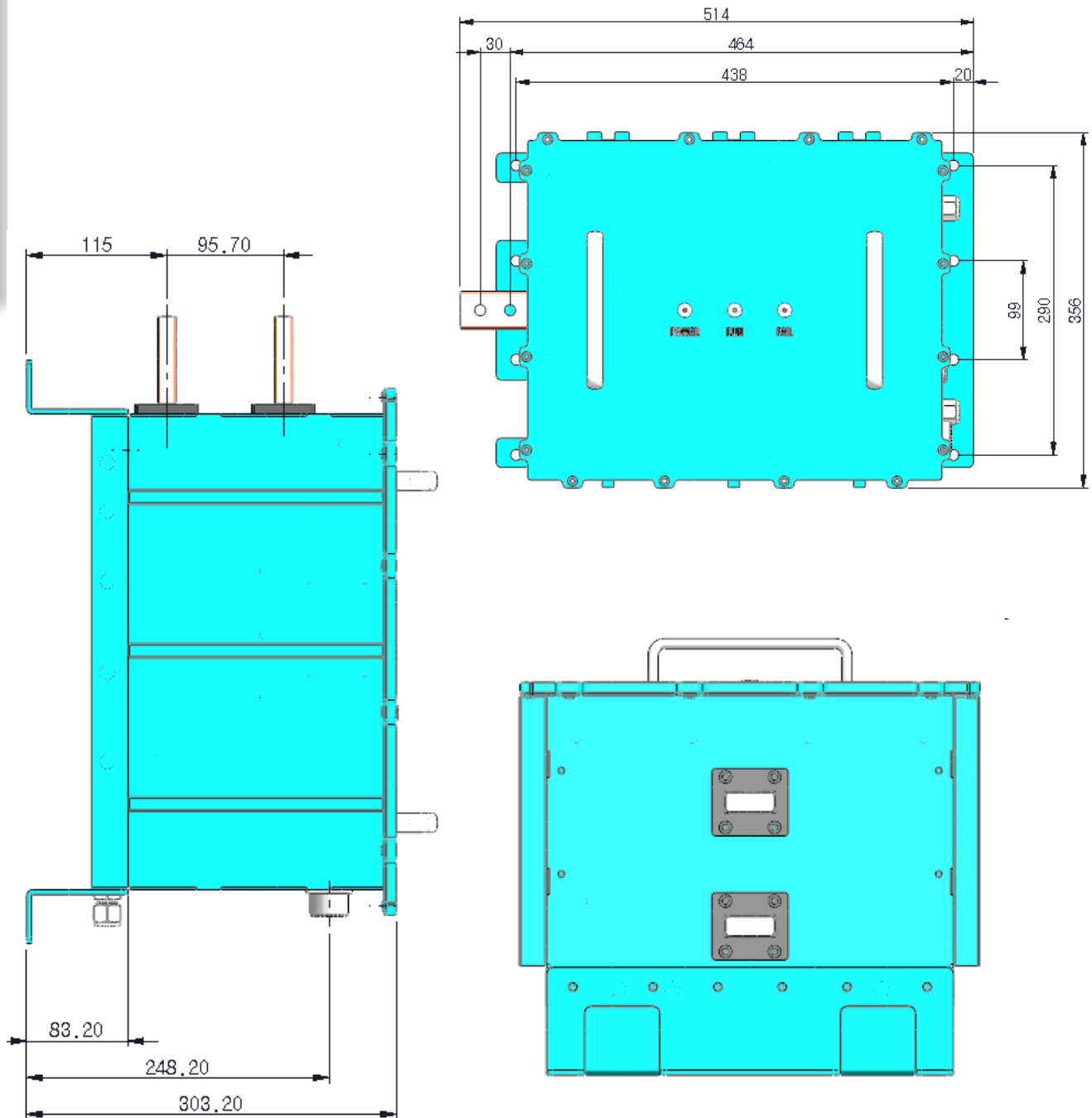
Electromagnetic Compatibility:

| | |
|-------------------------|----------------------|
| EMISSIONS | CISPR 16-1,16-2 |
| ELECTROSTATIC DISCHARGE | IEC61000-4-6 |
| RADIATED SUSCEPTIBILITY | |
| EFT/BURSTS | IEC61000-4-4 LEVEL 3 |
| SURGE | |
| CONDUCTED IMMUNITY | IEC61000-4-5 LEVEL 2 |
| VOLTAGE DIPS | IEC61000-4-6 LEVEL 2 |
| VOLTAGE INTERRUPTIONS | IEC61000-2 LEVEL 3 |



Rectifier Module
24VDC / 1125A Output

BREC-24 Module



BREC-24 1Set

Rectifier Module
24VDC / 1125A Output

