



REV: 06242011

ITE / EMBEDDED POWER SUPPLY

## PRODUCT FEATURES:

- 1RU Height, 19" 3KW Power Shelf
- 54VDC Output, 55.5A (3 x 18.5 Rectifier Modules)
- Easy Installation; Wiring for AC and DC
- Control Module for Monitoring, Alarms
- Remote Access via Ethernet (TCP/IP)
- SNMP Interface
- RS-232 Serial Interface
- Meets FCC & EN Conducted EMI, Class B
- International Safety Approvals



## INPUT SPECIFICATIONS:

|            |  |
|------------|--|
| VOLTAGE    | AC Input 1Ø 3 wire 220VAC                          |
| FREQUENCY  | 47~63 Hz   |
| INRUSH     | 20A @ 230VAC Full Load (Max Cold Start) per Module |
| CURRENT    | 7.5A @ 230VAC (Max Continuous) per Module          |
| PROTECTION | 25A Fuse / 250V Rated per module                   |
| LEAKAGE    | 3.5mA @ 264VAC Max per Module                      |
| EFFICIENCY | 92% Typical @ 230VAC Full Load (54Vout)            |
| HARMONICS  | EN61000-3-2 Class D Compliant (>0.98PF)            |

## OUTPUT SPECIFICATIONS:

|                   |                              |
|-------------------|------------------------------|
| OUTPUT VOLTAGE    | 54V                          |
| OUTPUT CURRENT    | 18.5A per Module             |
| OUTPUT ADJUSTMENT | 46V ~ 58VDC                  |
| LINE REGULATION   | 0.5%                         |
| LOAD REGULATION   | 0.5%                         |
| RIPPLE            | 1%                           |
| SETPOINT ACCURACY | 0.5%                         |
| OVER-CURRENT      | 115% ~ 135% Auto Recovery    |
| OV PROTECTION     | 59VDC Recycle Input to Reset |

## STATUS & CONTROL SPECIFICATIONS:

See Users Manual

## GENERAL SPECIFICATIONS:

|                       |  |
|-----------------------|--|
| OPERATING TEMPERATURE | -20°C to +65°C                                 |
| STORAGE TEMPERATURE   | -40°C to +85°C                                 |
| OPERATING HUMIDITY    | 10% ~ 95% (non-condensing)                     |
| STORAGE HUMIDITY      | 5% ~ 95% (non-condensing)                      |
| COOLING               | Intelligent Fan Cooled Rectifier Modules       |
| VIBRATION             | 10-55Hz, 2G, 3Min Period, 60 min each (3 axes) |
| SHOCK                 | 20G Peak Acceleration                          |
| RELIABILITY           | >100K Hours (per MIL STD 217F)                 |
| SIZE (INCHES)         | 19" x 14.14" x 1.73" (W x L x H)               |

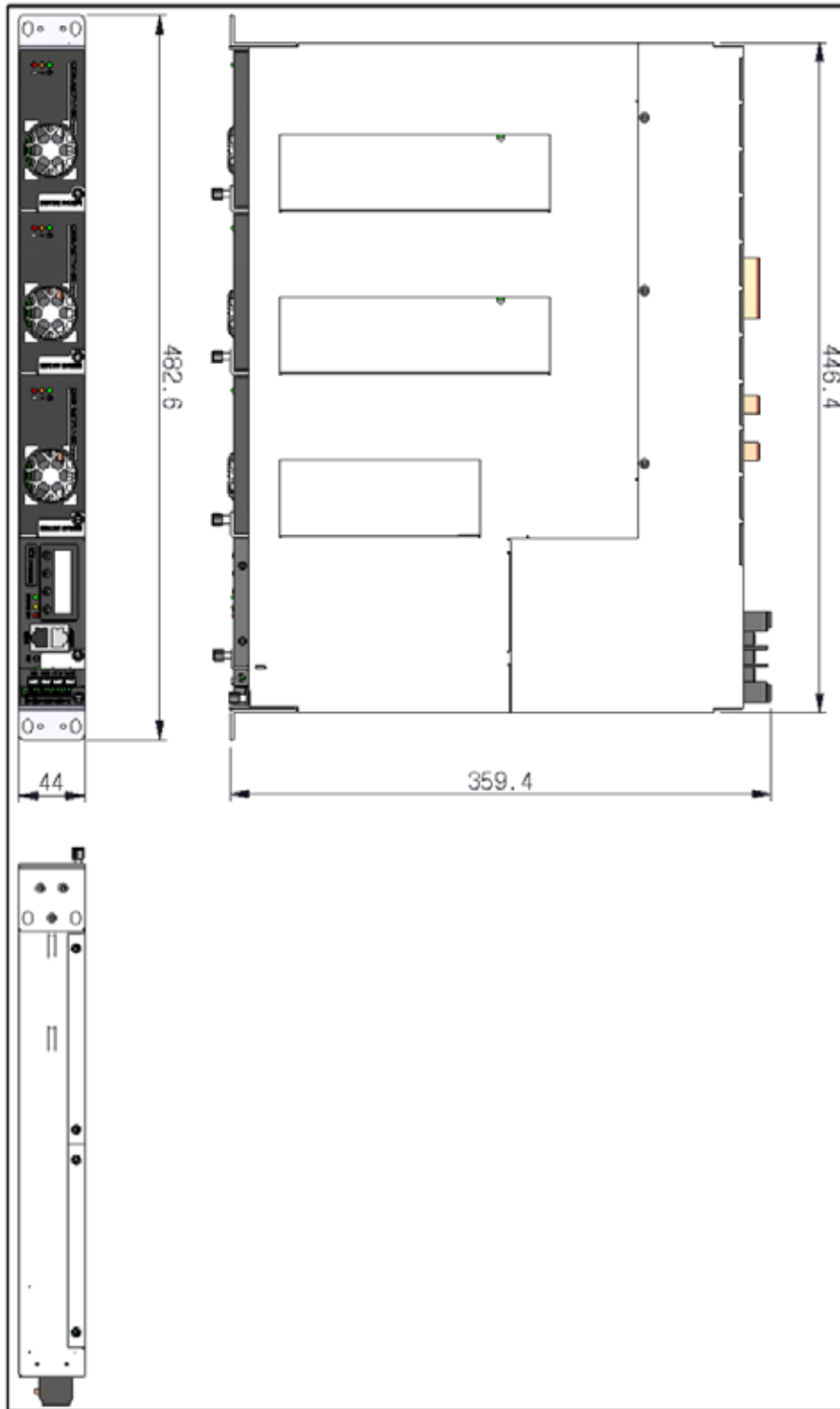
## EMISSIONS:

|                         |  |
|-------------------------|--|
| EMISSIONS               | EN55022 Level A (Conducted)                  |
| ELECTROSTATIC DISCHARGE | EN61000-4-2, 4KV Contact / 8KV Air           |
| RADIATED SUSCEPTIBILITY | EN61000-4-3, 26MHz-2000MHz, 10V/m, 80%AM     |
| EFT / BURSTS            | EN61000-4-4, 2KV                             |
| SURGES                  | EN61000-4-5, 2KV Earth, 1KV Line-Line        |
| CONDUCTED IMMUNITY      | EN61000-4-6, 150KHz-80MHz, 10Vrms, 80%AM     |
| VOLTAGE DIPS            | EN61000-4-10, 95% Dip, 10ms / 30% Dip, 500ms |
| VOLTAGE INTERRUPTIONS   | EN61000-4-11, 95% Reduction, 5ms             |
| FLUCTUATIONS & FLICKER  | EN61000-3-3                                  |

## SAFETY STANDARDS:

|          |                       |
|----------|-----------------------|
| UL / CUL | 60950-1               |
| CE MARK  | Low Voltage Directive |

OUTLINE DRAWING:



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