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Data Sheet

PG1500-UPS-V3-FW Rev A

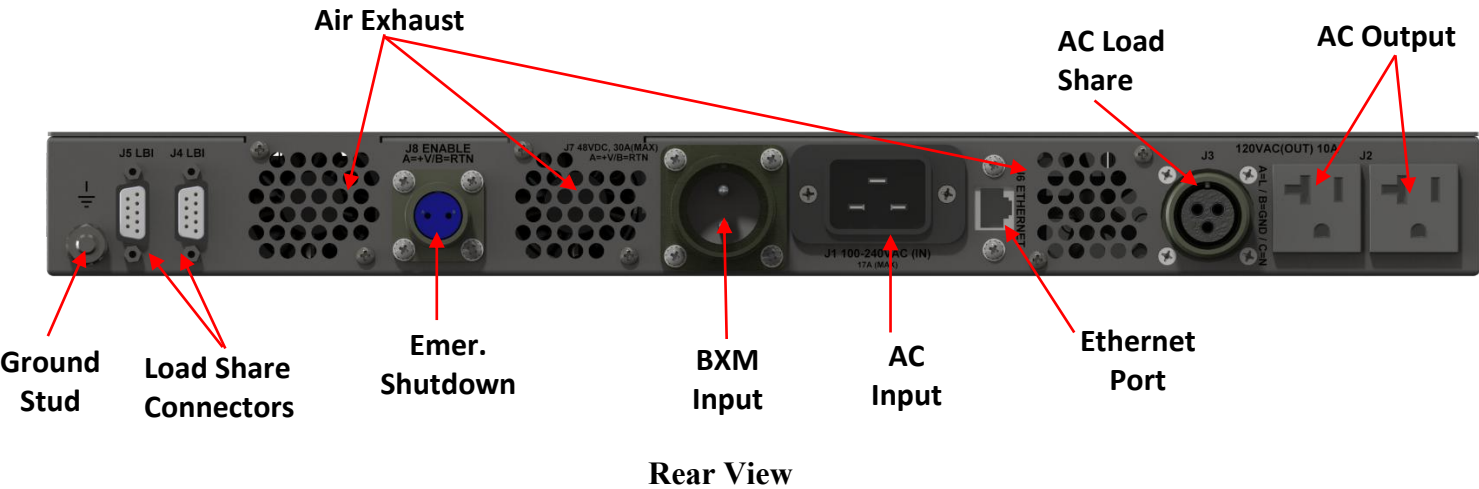
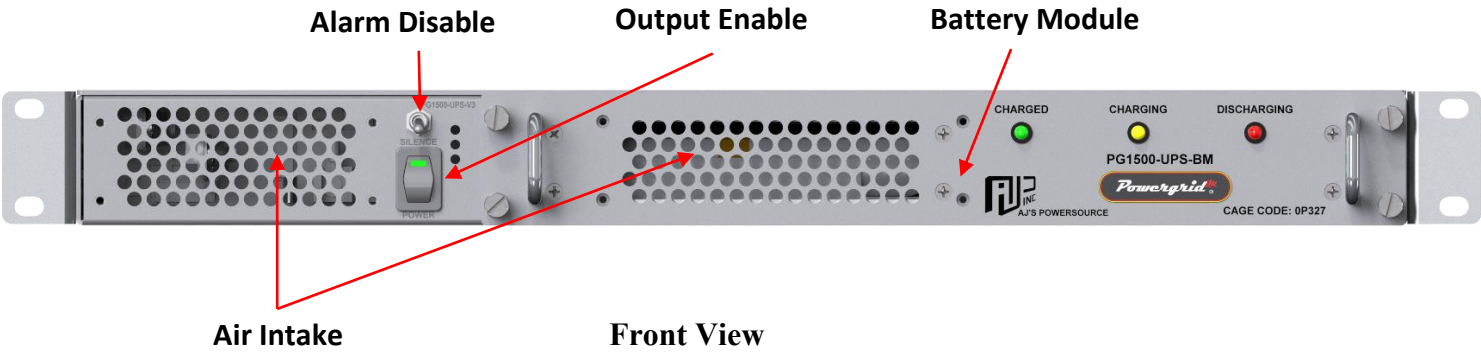


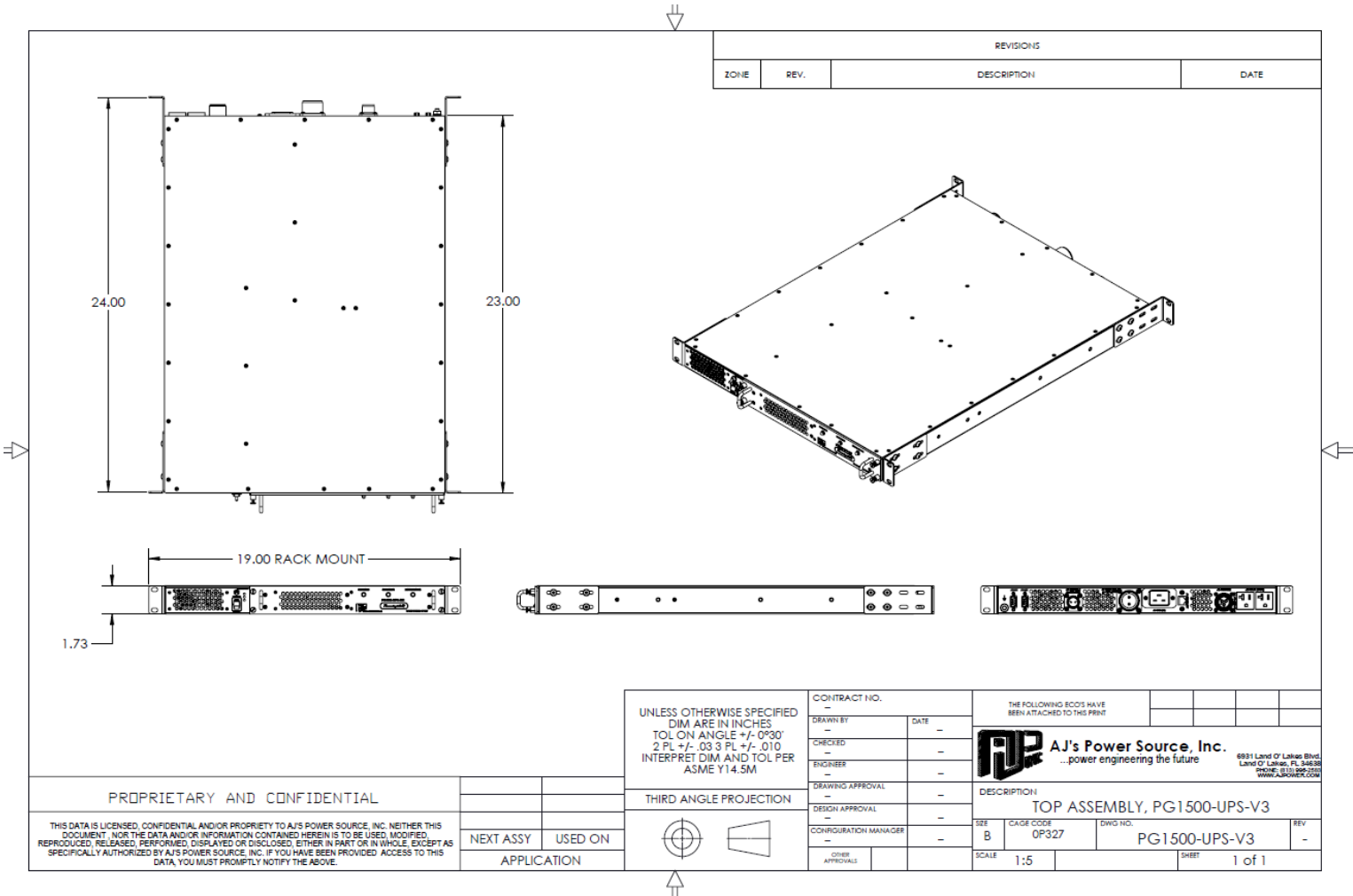
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| SPECIFICATION             | VALUE                                                                                                                                                  | UNITS    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>AC Output</b>          |                                                                                                                                                        |          |
| Rated Voltage             | 120 Pure Sine Wave ( $\pm 5\%$ )                                                                                                                       | Volts    |
| Frequency                 | 60 ( $\pm 0.25\%$ )                                                                                                                                    | Hertz    |
| Rated Max. Current        | 10                                                                                                                                                     | Amps     |
| Maximum Rated Power       | 1500VA (0.8PF), 1200W (w/resistive load)                                                                                                               |          |
| Phase                     | Single                                                                                                                                                 |          |
| Total Harmonic Distortion | $< 5$ (w/resistive load)                                                                                                                               | %        |
| Run Time on Battery       | $> 12$ (at 25°C, 80% Load, zero at or below 0C)                                                                                                        | Minutes  |
| Transfer Time to Battery  | Instant, On-Line conversion, Internal Ac/Dc converter provides full power down to 85Vac input, below 85Vac input, internal batteries support the load. |          |
| <b>AC Input</b>           |                                                                                                                                                        |          |
| Voltage Range             | 90 – 264                                                                                                                                               | Volts AC |
| Nominal Voltage           | 115/230                                                                                                                                                | Volts AC |
| Frequency Range           | 47 – 63, 100-264Vac                                                                                                                                    | Hertz    |
| Nominal Current           | 14 @ 115V                                                                                                                                              | Amps AC  |
| Inrush Current (typical)  | 50                                                                                                                                                     | Amps AC  |
| Power Factor (typical)    | $> 0.98$ @ 230VAC (full load)                                                                                                                          |          |
| Leakage Current           | $< 3$ @ 230VAC                                                                                                                                         | mAmps AC |
| Efficiency (typical)      | $> 80$ @ 120VAC (Input to Output)                                                                                                                      | %        |
| Conversion                | Double                                                                                                                                                 |          |
| <b>Battery</b>            |                                                                                                                                                        |          |
|                           | Model Number: PG1500-UPS-BM                                                                                                                            |          |
| Rating                    | 48                                                                                                                                                     | Vdc      |
| Type                      | Lithium Iron Phosphate                                                                                                                                 |          |
| Capacity                  | 5.7                                                                                                                                                    | Ah       |
| Hot-Swappable             | Yes (when on AC Input)                                                                                                                                 |          |
| Replacement Time          | Less than one minute                                                                                                                                   |          |
| Recharge Time             | 5 Hours to 95% after full discharge                                                                                                                    |          |
| <b>BXM Input</b>          |                                                                                                                                                        |          |
| Voltage Range             | 41 – 56 (Minimum Input Voltage Turn-ON $\geq 42$ VDC)                                                                                                  | Vdc      |
| Nominal Voltage           | 48                                                                                                                                                     | Vdc      |
| Nominal Current           | 60                                                                                                                                                     | Adc      |
| Inrush Current (typical)  | 120@48V                                                                                                                                                | Adc      |
| Efficiency (typical)      | $> 84$                                                                                                                                                 | %        |
| Conversion                | Single                                                                                                                                                 |          |
|                           |                                                                                                                                                        |          |
|                           |                                                                                                                                                        |          |
|                           |                                                                                                                                                        |          |

| SPECIFICATION                 | VALUE                                                                                                                                                                 | UNITS  |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>Front Panel Indicators</b> |                                                                                                                                                                       |        |
| Battery Status                | Green=Charged, Yellow=Charging, Red=Discharging                                                                                                                       |        |
| Switch LED                    | Green=Unit On                                                                                                                                                         |        |
|                               |                                                                                                                                                                       |        |
| <b>Front Panel Control</b>    |                                                                                                                                                                       |        |
| On/Off Switch                 | When on, enables UPS output                                                                                                                                           |        |
| Alarm Disable                 | Enable/disable the audible alarm sounder                                                                                                                              |        |
|                               |                                                                                                                                                                       |        |
| <b>SNMP v3</b>                |                                                                                                                                                                       |        |
| Features                      | AC Input present, Battery Status (charged, charging, discharging), AC Output Active, Over Temperature, Traps pushed at prescribed intervals instead of on change only |        |
| Version                       | 2.3.0C                                                                                                                                                                |        |
|                               |                                                                                                                                                                       |        |
| <b>Rear Connectors</b>        |                                                                                                                                                                       |        |
| AC Output                     | 2 x NEMA 5-15/20R receptacles                                                                                                                                         | J2     |
| AC Input                      | IEC 320/C20 male receptacle                                                                                                                                           | J1     |
| AC Load Share*                | Type MS3102E16-10S                                                                                                                                                    | J3     |
|                               | Pin A = Line, Pin B = Ground, Pin C = Neutral                                                                                                                         |        |
| Load Share Interface*         | Female Sub-D 9 Pin                                                                                                                                                    | J4, J5 |
|                               | * Allows units to be stacked for increase in power handling capability, provides synchronization between units (not used in single UPS installation)                  |        |
| Ethernet                      | RJ-45, standard Ethernet pin out (SNMP communications)                                                                                                                | J6     |
| Emergency Cutoff              | MS3102E12S3S, Pin A = +24, Pin B = Common<br>Contact closure<br>Open = output enabled, Closed via external switch = output disabled                                   | J8     |
| BXM Input                     | MS3102E20-23P, Pin A = +Vin, Pin B = -Vin (only used when PG-BXM is present)                                                                                          | J7     |
| Safety Ground Stud            | ¼ -20 Stud (Rear Panel)                                                                                                                                               |        |
|                               |                                                                                                                                                                       |        |
| <b>Protection</b>             |                                                                                                                                                                       |        |
| Over Load                     | Yes                                                                                                                                                                   |        |
| Output Short Circuit          | Yes                                                                                                                                                                   |        |
| Over Temperature              | Yes                                                                                                                                                                   |        |
| AC Input Protection           | Yes                                                                                                                                                                   |        |
|                               |                                                                                                                                                                       |        |
| <b>Isolation</b>              |                                                                                                                                                                       |        |
| AC Input to AC Output         | Yes, Double                                                                                                                                                           |        |
| BXM Input to AC Output        | Yes, Double                                                                                                                                                           |        |

| SPECIFICATION               | VALUE                                                                        | UNITS |
|-----------------------------|------------------------------------------------------------------------------|-------|
|                             |                                                                              |       |
| <b>Environmental</b>        |                                                                              |       |
| Operating Temperature Range | –20 to +50 (see derating curve below)*                                       | °C    |
| Storage Temperature Range   | –40 to +65*                                                                  | °C    |
| Working Humidity            | 95 non-condensing*                                                           | %     |
| Altitude                    | 10, 000 (Operating) Derate by 25% (900W) at 15,000 / 40,000 (Non-Operating)* | feet  |
| Fungus                      | MIL-STD-810G, method 508*                                                    |       |
| Sand and Dust               | MIL-STD-810G* (w/Optional Filters)                                           |       |
| Vibration                   | MIL-STD-810G*                                                                |       |
| Functional Shock            | MIL-STD-810G*                                                                |       |
|                             | <b>* Designed to meet, lab testing required for formal certification</b>     |       |
|                             |                                                                              |       |
| <b>Physical Properties</b>  |                                                                              |       |
| Dimensions                  | 1.735H x 17.1W x 23D                                                         | inch  |
| Mounting                    | 1U 19 Inch Rack (adjustable mounting depth)                                  |       |
| Weight                      | 27                                                                           | lbs.  |
| Material                    | Aluminum                                                                     |       |
| Color/Finish                | Gray                                                                         |       |





Mechanical Drawing  
PG1500-UPS-V3 shown, PG1500-UPS-V3-FW similar