



U.S. PATENT No. 6,178,101 / 7,952,840

PORTABLE POWER SYSTEM

PS-95-448-2

60Hz

The PS-95 medevac portable power system is a self-contained, easily transportable unit used to convert aircraft power into a 3-station, 60Hz power bus to operate electrical equipment and medical evacuation stations aboard military and commercial aircraft. Each of the three stations is equipped with a NEMA 15-5R spark elimination receptacle and independent circuit breaker.

INPUT

| | |
|---|---|
| VOLTAGE RANGE | 115/200 VRMS $\pm 10\%$ |
| CONFIGURATION | 3 ϕ , WYE, GROUNDED NEUTRAL |
| FREQUENCY RANGE | 30 TO 800 HZ |
| POWER FACTOR | ≥ 0.99 |
| INPUT CURRENT DISTORTION ($\leq 10\%$ ABOVE 600 HZ) | $\leq 5\%$ AT NOMINAL INPUT VOLTAGE AND FULL RATED LOAD |
| PROTECTION | CIRCUIT BREAKER, OVER/UNDER VOLTAGE, LOSS OF PHASE, OVERCURRENT |

OUTPUT

| | |
|--------------------|--|
| POWER | 3.5 kVA CONTINUOUS |
| VOLTAGE | 115 VRMS $\pm 1.0\%$ |
| FREQUENCY | 60 Hz $\pm 1.0\%$ |
| CONFIGURATION | SINGLE PHASE |
| POWER FACTOR RANGE | 0.75 LAGGING TO 0.75 LEADING |
| DISTORTION | 2% THD MAXIMUM |
| EFFICIENCY | 89% TYPICAL AT FULL LOAD |
| OVERLOAD | 125% FOR 5 MINUTES 175% FOR 10 SECONDS |
| PROTECTION | OVER/UNDER VOLTAGE, OVERLOAD, SHORT CIRCUIT, DUPLEX RECEPTACLES INDIVIDUALLY CIRCUIT BREAKER PROTECTED |

OPTIONS

DETACHABLE 25', TYPE SO, FLEXIBLE INPUT CABLE WITH MS CONNECTOR
CONNECT TO AIRCRAFT INTERFACE RECEPTACLE MS3102A18-10S
MOBILE KIT (WHEELS) - FACTORY INSTALLED
DUAL UNIT DOLLY CART

FEATURES

ONE PERSON CARRY-ON SYSTEM (MIL-STD-1472F)
LOW INPUT CURRENT DISTORTION
HIGH INPUT POWER FACTOR
LED DISPLAYS FOR CURRENT MONITORING
STOPLITE BITE™ SELF-DIAGNOSTIC SYSTEM
SMALL SIZE AND LIGHT WEIGHT

MECHANICAL

| | |
|---------------------|--|
| HANDLING / SECURING | DUAL-HANDLE GRIPS (WHEELS OPTIONAL) |
| CONNECTIONS | J1 INPUT: MS3102R18-11P OUTPUT: THREE HOSPITAL-GRADE SPARK ELIMINATION, NON-LOCKING, 15A, 2-POLE, 3-WIRE DUPLEX RECEPTACLES (NEMA 5-15R) CONTROL: D38999 / 20WD35SN |
| COOLING | SELF-CONTAINED FAN (SLOW SPEED FOR LOW AMBIENT NOISE) |

ENVIRONMENTAL

| | MIL-STD-810 |
|----------------------|-------------|
| TEMPERATURE | ✓ |
| ALTITUDE | ✓ |
| EXPLOSIVE ATMOSPHERE | ✓ |
| SHOCK | ✓ |
| VIBRATION | ✓ |
| HUMIDITY | ✓ |
| | MIL-STD-461 |
| EMI | ✓ |

This product was manufactured in a plant
whose quality management system is
registered to ISO 9001:2015.

Unitron Power Systems • 10925 Miller Rd • Dallas, TX 75238
Sales: +1-800-527-1279 • Service: +1-214-343-7597 • Fax: +1-214-341-2099
info@UnitronLP.com • www.UnitronLP.com

