

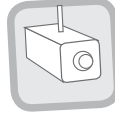
RELIABILITY • VALUE • POWER

GUARANTEED

PowerShield *CENTURION*
RACKMOUNT



INDUSTRIAL



CAMERA
SURVEILLANCE



COMPUTERS



TELEPHONE
SYSTEMS



SERVERS

FEATURES

- True double-conversion
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.98
- 50Hz/60Hz frequency converter mode
- Programmable power outlets
- Emergency power off function (EPO)
- Eco-mode operation for energy saving (ECO)
- Generator compatible
- Backup time for all models is easily extended by simply plugging additional battery banks
- Charger capacity expansion to 8A for long-run models
- USB+RS232 + SNMP + AS400 multiple communications
- Maintenance bypass available for all models
- N+X parallel redundancy available for 6K/10K models
- Long run model available for extended runtime and reduced re-charge time



DESIGNED BY AUSTRALIANS FOR AUSTRALIAN CONDITIONS



| MODEL | | PSCER1000 (L) | PSCER2000 (L) | PSCER3000 (L) | PSCER6000L | PSCER10KL |
|--|-------------------------|---|--|------------------|--|---------------------------------|
| CAPACITY | | 1000 VA / 800 W | 2000 VA / 1600 W | 3000 VA / 2400 W | 6000 VA / 4800 W | 10000 VA / 8000 W |
| INPUT | | | | | | |
| Voltage Range | Low Line Transfer | 160 Vac / 140 Vac / 120 Vac / 110 Vac \pm 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0) | | | 176 VAC @ 100% load 110 VAC @ 50% load | |
| | Low Line Comeback | 175 Vac \pm 5 % | | | 186 VAC @ 100% load 120 VAC @ 50% load | |
| | High Line Transfer | 300 Vac \pm 5 % | | | 300 Vac | |
| | High Line Comeback | 290 Vac \pm 5 % | | | 290 Vac | |
| Frequency Range | | 47.5Hz ~ 52.5 Hz or 57Hz ~ 63Hz | | | 46-54Hz or 56-64Hz | |
| Phase | | Single phase with ground | | | | |
| Power Factor | | \geq 0.98 | | | \geq 0.99 @ 100% load | |
| OUTPUT | | | | | | |
| Voltage (selectable) | | 240Vac (Selectable 208,220,230Vac) | | | | |
| AC Voltage Regulation (Batt. Mode) | | \pm 3% | | | \pm 1% | |
| Frequency Range (Synchronized Range) | | 47 ~ 52Hz or 57 ~ 63Hz | | | 46~54Hz or 56~64Hz | |
| Frequency Range (Batt. Mode) | | 50Hz \pm 0.25Hz or 60Hz \pm 0.3Hz | | | 50Hz \pm 0.1Hz or 60 Hz \pm 0.1Hz | |
| Current Crest Ratio | | 3:1 | | | | |
| Harmonic Distortion | | \leq 3% THD (Linear Load) \leq 6% THD (Non-linear Load) | \leq 4% THD (Linear Load) \leq 7% THD (Non-linear Load) | | \leq 3% THD (Linear Load) \leq 6% THD (Linear Load) | |
| Transfer Time | AC Mode to Batt. Mode | Zero | | | | |
| | Inverter to Bypass | 4 ms (Typical) | | | zero | |
| Waveform (All Modes) | | Pure Sinewave | | | | |
| EFFICIENCY | | | | | | |
| AC Mode | | 85% | 88% | | 90% | |
| Battery Mode | | 83% | | | 88% | |
| BATTERY | | | | | | |
| Standard Model | Battery Type | 12 V / 9 AH | 12 V / 9 AH | 12 V / 9 AH | 12 V / 9 AH | 12 V / 9 AH |
| | Numbers | 3 | 6 | 6 | 20 (External cabinet) | 20 (External cabinet) |
| | Typical Recharge Time | 4 hours recover to 90% capacity | | | 3 hours recover to 90% capacity | 4 hours recover to 90% capacity |
| | Charging Current (max.) | 1.0 A | | | 2.0 A | |
| | Charging Voltage | 41.0 V _{DC} \pm 1% | 82.1 V _{DC} \pm 1% | | 273.0 V _{DC} \pm 1% | |
| Long-run Model | Battery Type | Depending on the capacity of external batteries | | | | |
| | Numbers | | | | | |
| | Charging Current (max.) | 8.0 A | | | 4.0 A | |
| INDICATORS | | | | | | |
| LCD Panel | | UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions | | | | |
| ALARM | | | | | | |
| Battery Mode | | Sounding every 4 seconds | | | | |
| Low Battery | | Sounding every second | | | | |
| Overload | | Sounding twice every second | | | | |
| Fault | | Continuously sounding | | | | |
| PHYSICAL | | | | | | |
| UPS Dimension, D x W x H (mm) | | 580 x 438 x 88 (2RU) | 580 x 438 x 88 (3RU) | | 580 x 438 x 133 (3RU) | 668 x 438 x 133 (3RU) |
| UPS Net Weight (kgs) STD / Long Run | | 16/10 | 31/17 | | 21 | 23 |
| Battery Bank | | PSCERBB6 | PSCERBB12 | | PSCERBB20 | |
| Battery Bank Dimension, D x W x H (mm) | | 580 x 438 x 88 (2RU) | 580 x 438 x 88 (2RU) | | 580 x 438 x 133 (3RU) | |
| Battery Bank Net Weight (kgs) | | 21 | 41 | | 65 | |
| ENVIRONMENT | | | | | | |
| Operation Humidity | | 20-90 % RH @ 0- 40°C (non-condensing) | | | | |
| Noise Level | | Less than 45dBA @ 1 Meter | | | Less than 55dBA @ 1 Meter | |
| MANAGEMENT | | | | | | |
| Smart RS232 | | PowerShield NetGuard Software - Supports Windows Based Operating Systems, Linux, Mac & Unix | | | | |
| USB | | | | | | |
| Optional SNMP | | Power management from PSCESNMP manager and web browser (Intelligent Slot) | | | | |
| Optional AS400 | | PSCAS400 dry contact communication card (Intelligent Slot) | | | | |

* L means long-run model

* Product specifications are subject to change without further notice



| LOAD VA | | | | |
|-----------|--------------------|---------------|---------------|---------------|
| PSCER1000 | Internal Batteries | 1 x PSCERBB6 | 2 x PSCERBB6 | 3 x PSCERBB6 |
| 1000VA | 12 | 45 | 80 | 115 |
| 500VA | 25 | 105 | 170 | 250 |
| | | | | |
| PSCER2000 | | 1 x PSCERBB12 | 2 x PSCERBB12 | 3 x PSCERBB12 |
| 2000VA | 12 | 50 | 90 | 115 |
| 1000VA | 25 | 110 | 170 | 250 |
| | | | | |
| PSCER3000 | | 1 x PSCERBB12 | 2 x PSCERBB12 | 3 x PSCERBB12 |
| 3000VA | 5 | 27 | 50 | 80 |
| 1500VA | 16 | 60 | 110 | 170 |
| | | | | |
| PSCE6000L | | 1 x PSCERBB20 | 2 x PSCERBB20 | 3 x PSCERBB20 |
| 6000VA | | 12 | 30 | 55 |
| 3000VA | | 30 | 85 | 120 |
| | | | | |
| PSCER10KL | | 1 x PSCERBB20 | 2 x PSCERBB20 | 3 x PSCERBB20 |
| 10KVA | | 5 | 16 | 28 |
| 5000VA | | 16 | 38 | 60 |
| | | | | |

| MODEL | PSCERBB6 | PSCERBB12 | PSCERBB20 |
|--------------------------|----------------------|----------------------|-----------------------|
| SUITS UPS | PSCER1000 | PSCER2000/3000 | PSCER6000L/10KL |
| BATTERY | | | |
| Type | 12V*9AH | 12V*9AH | 12V*9AH |
| Number | 6 | 12 | 20 |
| Nominal DC | 36Vdc | 72Vdc | 240 |
| Charger | From UPS | From UPS | From UPS |
| PHYSICAL | | | |
| Dimensions [D x W x H]cm | 420 X 438 X 88 (2RU) | 580 X 438 X 88 (2RU) | 580 X 438 X 133 (3RU) |
| Weight Nett/Gross KG | 21Kg | 41Kg | 65Kg |
| PROTECTION | DC Circuit breaker | | |

| REAR VIEWS |
|------------------|
| <p>PSCER1000</p> |
| <p>PSCER2000</p> |
| <p>PSCER3000</p> |

Notes
 Battery banks are easily added to Std models. However if high Amp/Hours of battery are required then it is preferable to use the L models since recharge times can become too long. For these applications please discuss with your PowerShield representative. Note: The 6KVA & 10KVA are always long run models. Run charts illustrate typical run times. Run times may vary with equipment, battery age, temperature etc

