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WHY POWERSHIELD?

Fully Australian owned and operated company

 Committed to delivering consistent, clean power to our customers through engineering excellence, exceptional support and a localised approach

 Have built a reputation over more than 20 years as the Power Protection Company to rely on

• Local sales and service teams based in Australia

• Extensive partner network throughout Oceania

 Custom project support with unique products designed in Australia

• Perth and Sydney based local stock





THE CENTURION PRO RANGE





Battery Banks
BB40
BB80

Centurion Pro Three Phase 10/20kVA 30/40kVA 60/80kVA Designed
in collaboration
with PowerShield's
extensive service
partner network to
address the specific
requirements of
Oceania.

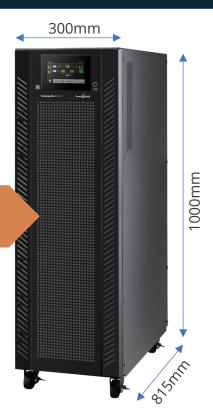


WHY CENTURION PRO? Form Factor





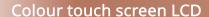
Small form factor



40K 3/3 model shown

WHY CENTURION PRO? Features





Active Voice Warning

Designed for Australia/New Zealand requirements

Speed of deployment (line up and match batteries)





WHY CENTURION PRO? Features (cont).

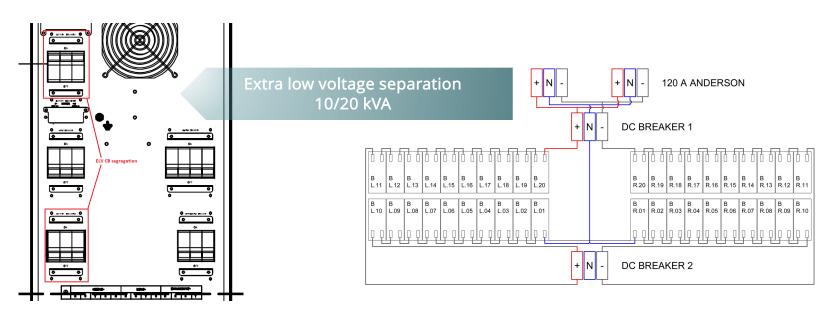


Additional features:

- Safety
- o ELV separation on 10 & 20kVA
- Built-in back feed protection
- Angled tunnel terminals (ease of connection)
- Split terminal box (ease of inspection)
- Common battery bank compatibility optimize battery usage and reduce maintenance costs.
- Multiple battery bank options plug & play, modular, custom.
- Paralleling up to four (4) units
- Power Conditioner mode (no batteries)
- Detuning up to 50% i.e. 30kVA → 15kVA.



Safety: Extra low voltage (ELV) 120V or less (ripple-free DC).



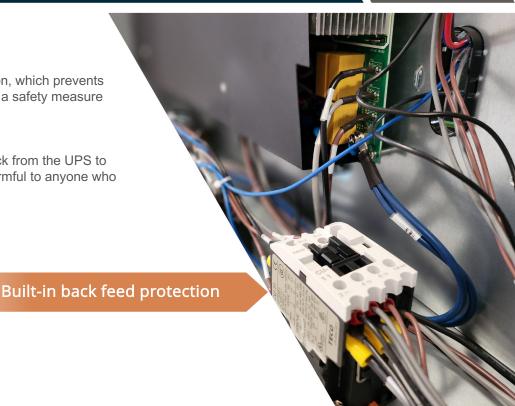


Backfeed Protection in UPS

Among the most critical components of UPS is backfeed protection, which prevents electric shocks due to current feedback from the UPS output. It is a safety measure both to the people working on the device and your data.

What Happens When the Mains Supply Fails?

One of the possible outcomes is that current can start feeding back from the UPS to isolated circuits. Without backfeed protection, this can be very harmful to anyone who handles that circuit.





Safety:

• Angled tunnel terminals (ease of connection)







Safety:





Split terminal box

WHY CENTURION PRO? Features (cont).



Common battery bank compatibility



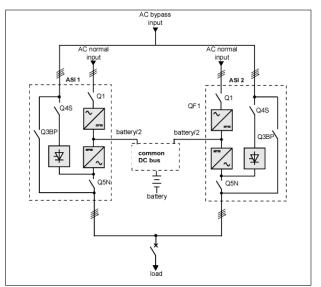


Fig. 2.19. Active redundancy with multi-bypass UPS and a common battery







Increase battery backup time by adding additional battery banks





Extended run times:

- PSCEPBB40 (40 x batteries)
- PSCEPBB80 (80 x Batteries)
- 10 40kVA via Anderson connection
- 60 & 80kVA terminal connection onto UPS



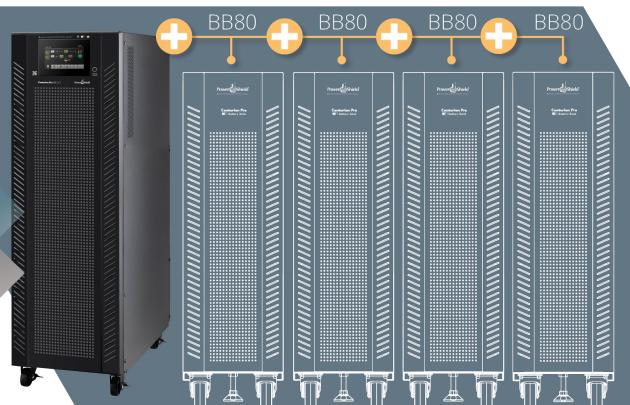


Centurion Pro Three Phase 30/40kVA

Extension Options

Increase battery backup time by adding additional battery banks

Up to 30% of the UPS rating for battery recharge

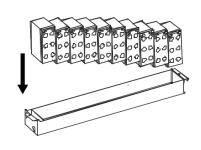


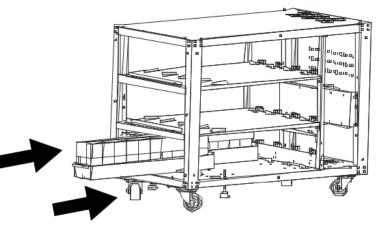


Extended run times (cont.):

• **PSCEPBB120** (120 x batteries). 10 x batteries per tray.





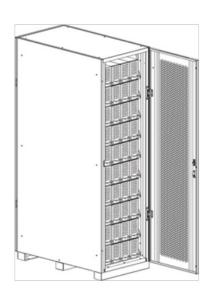




Extended run times (cont.):

- PSCEPBB280 (280 x batteries)
- **PSCEPBB400** (400 x Batteries) 10 x batteries per tray.







Extended run times (cont.):











Battery module:





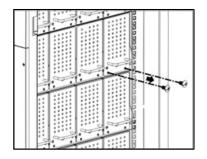


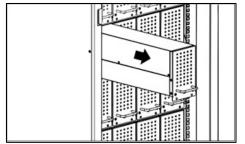


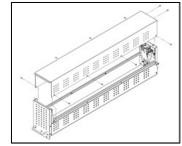


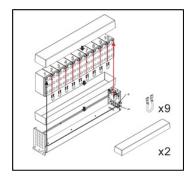


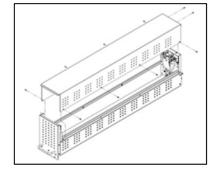
Battery module cont:

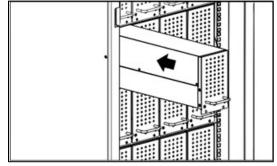






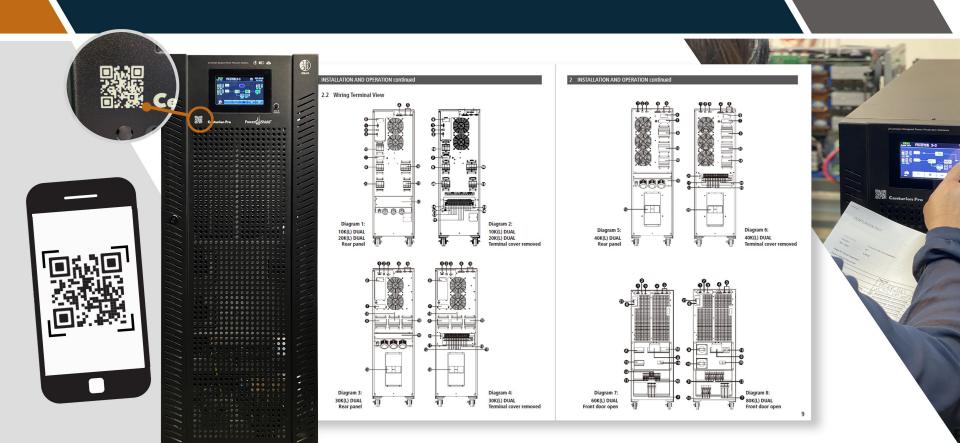






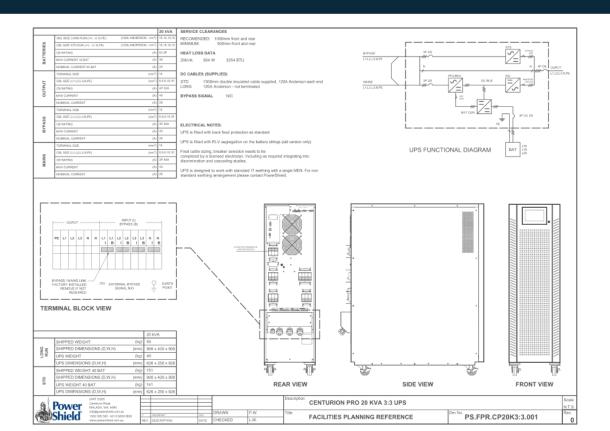
EASY ACCESS USER MANUAL





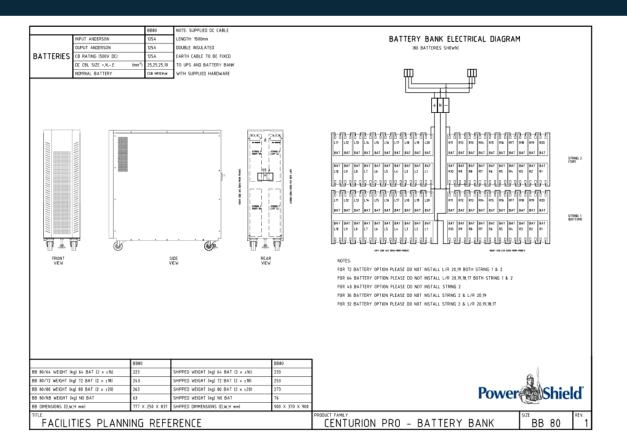
Planning Guides - UPS





Planning Guides – EBM's





RANGE AND RUNTIME TABLE



| LOAD | | UPS | LOAD | |
|------------|--|--|---|--|
| 50% (5kW) | 100% (10kW) | | 50% (5kW) | 100% (10kW) |
| 24 | 10 | 10kVA L | - | - |
| 57 | 24 | 10kVA L + 1 BB40 | 24 | 10 |
| 91 | 40 | 10kVA L + 2 BB40 | 57 | 24 |
| 130 | 57 | 10kVA L + 3 BB40 | 91 | 40 |
| 173 | 76 | 10kVA L + 4 BB40 | 130 | 57 |
| 91 | 40 | 10kVA L + 1 BB80 | 57 | 24 |
| 173 | 76 | 10kVA L + 2 BB80 | 130 | 57 |
| 50% (10kW) | 100% (20kW) | | 50% (10kW) | 100% (20kW) |
| 10 | 2 | 20kVA L | - | _ |
| 24 | 10 | 20kVA L + 1 BB40 | 10 | 2 |
| 40 | 17 | 20kVA L + 2 BB40 | 24 | 10 |
| 57 | 24 | 20kVA L + 3 BB40 | 40 | 17 |
| 76 | 31 | 20kVA L + 4 BB40 | 57 | 24 |
| 40 | 17 | 20kVA L + 1 BB80 | 24 | 10 |
| 76 | 31 | 20kVA L + 2 BB80 | 57 | 24 |
| | 50% (5kW) 24 57 91 130 173 91 173 50% (10kW) 10 24 40 57 76 40 | 50% (5kW) 100% (10kW) 24 10 57 24 91 40 130 57 173 76 91 40 173 76 50% (10kW) 100% (20kW) 10 2 24 10 40 17 57 24 76 31 40 17 | 50% (5kW) 100% (10kW) 24 10 10kVA L + 1 BB40 91 40 10kVA L + 2 BB40 130 57 10kVA L + 3 BB40 173 76 10kVA L + 4 BB40 91 40 10kVA L + 1 BB80 173 76 10kVA L + 2 BB80 50% (10kW) 100% (20kW) 10 2 20kVA L 24 10 20kVA L + 1 BB40 40 17 20kVA L + 2 BB40 57 24 20kVA L + 3 BB40 76 31 20kVA L + 4 BB40 40 17 20kVA L + 1 BB80 | 50% (5kW) 100% (10kW) 50% (5kW) 24 10 10kVA L + 1 BB40 24 91 40 10kVA L + 2 BB40 57 130 57 10kVA L + 3 BB40 91 173 76 10kVA L + 4 BB40 130 91 40 10kVA L + 1 BB80 57 173 76 10kVA L + 2 BB80 130 50% (10kW) 50% (10kW) 50% (10kW) 10 2 20kVA L - 24 10 20kVA L + 1 BB40 10 40 17 20kVA L + 2 BB40 24 57 24 20kVA L + 2 BB40 40 76 31 20kVA L + 4 BB40 57 40 17 20kVA L + 4 BB40 57 40 17 20kVA L + 1 BB80 24 |

ACCESSORIES







SNMP Cards



Filters







Conformal coating

Centurion Pro Three Phase 30/40kVA



External battery cabinets

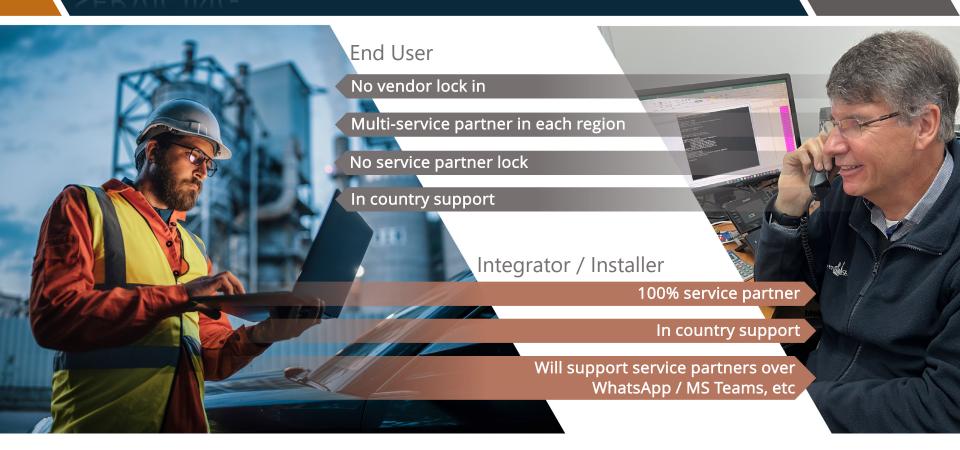
BEST PRACTICE





SERVICING





Centurion Pro 10...80kVA



Centurion Pro UPS Series

Power Beyond Expectation



