



all energy solutions



Solar Central Protection Units Commercial Solar projects above 30kW

With the growing commercial solar market Australian regulations state in AS 4777.1 clause 3.4.4 that a solar system over 30kVA must have a Central (Secondary) Protection relay as an extra level of protection for the safety of the network and line workers.

Our Central Protection Units include -

- Approved Protection Relays - ComAp, ABB
- Quality Switchgear - NHP, ABB, Schneider
- Inverter circuit breakers included
- IP65 powder coated enclosure
- All in one design or easy mounting and wiring - Perfect for the installer
- Designed and manufactured by CEC Accredited Installer
- Technical support and commissioning plan
- Oversize earth bar to allow for rail earths
- Provision for monitoring devices (e.g. Solar analytics, SMA EnnexOS)

Talk to our leader in the field about:

- Central Protection Units - off the shelf or custom made above 100kW.
- Witness testing
- Secondary injection testing
- Power analysing
- DNSP applications
- Single line diagrams
- Design of commercial solar systems above 30kW
- Zero export control

Phone 1300 563 494
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CPU 1 - 63Amp Solar Central Protection Unit



Features

- ComAp MainsPro protection relay
- 63Amp Contactor
- 40 or 50Amp inverter CB
- Solar on/off switch and remote disconnect terminals

Common uses

25-30kW inverter in multiple inverters connected to different sub boards e.g. schools, nursing homes

CPU 2 - 100Amp Solar Central Protection Unit



Features

- ComAp MainsPro protection relay
- 100Amp contactor
- 2x 40 or 50Amp Inverter CBs
- Solar on/off switch and remote disconnection terminals

Common uses

60kW solar installations with 2 inverters in the same location

CPU 3 - 160 Amp Solar Central Protection Unit



Features

- ComAp MainsPro protection relay
- 160 Amp contactor
- Choice of inverter circuit breakers e.g.
- 4x40Amp or 3 x 50Amp
- Solar on/off switch with remote disconnection terminals
- Over sized earth bar to allow for rail earths
- IP65 Steel enclosure

Common uses

100kW solar installations with 3 or 4 inverters

CPU 4 - 200 Amp Solar Central Protection Unit



Features

- ComAp Mainspro protection relay
- 200 Amp Contactor
- Choice of inverter circuit breakers e.g. 4 x 40amp, 4 x 50Amp, 8x 25A micro, 2 x 80 Amp
- Inverter circuit breakers
- IP65 steel enclosure

Common uses

100kw solar installations including micro inverters or large inverters like the newer 50kW inverters

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