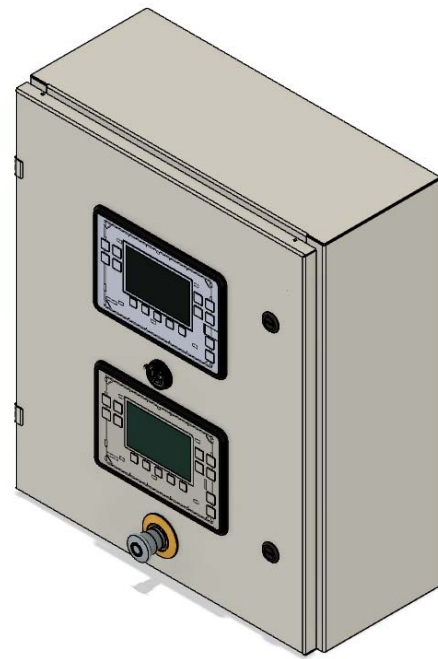


InteliNeo 5500 Control Panel



Order code: RTNEO5500+MAINS, **RTNEO5500

Hybrid Microgrid Control Panel solution

Datasheet

Product description

- Complete enclosed control solution streamlines the microgrid design process by providing the components needed to manage renewable energy resources and storage with a utility mains connection in one package.

Key Features

- InteliNeo 5500 controller for renewable energy and BESS management.
- **InteliMains 510 controller for utility mains protection and energy management.
- Integrated VPN Router / WiFi AP / Cellular modem provides an all-in-one solution for remote monitoring and local controller interfacing.
- Shorting and fuse blocks included for seamless interface with BESS and Mains PT's and CT's.
- 16 port ethernet switches provide adequate means of interfacing with many renewable assets and site networking configurations.
- Pilot relays for BESS and Utility circuit breaker control

Application Overview

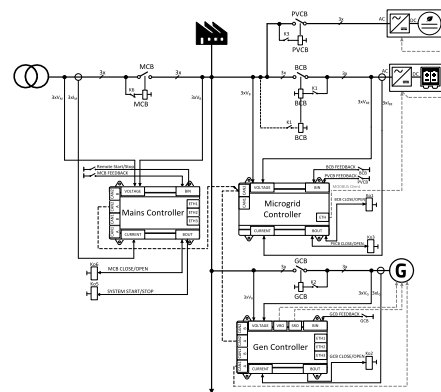


Image 1.1 Typical microgrid application with BESS, renewables, grid and generation. Includes the InteliMains 510.

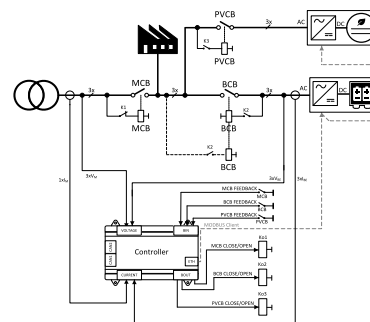


Image 1.2 Simpler microgrid application, may not require InteliMains 510 option.

Technical data

Controllers

InteliNeo 5500	For details visit: https://www.comap-control.com/products/controllers/microgrid-controllers/intelinedo/intelinedo-6000/
**InteliMains 510	For details visit: https://www.comap-control.com/products/switchgear-control-and-protections/mains-controllers/intelimains-1010/

Displays

2x Built-in 5.2" color display (**1x Built-in 5.2" color display)

Communication

16 port unmanaged 10/100 ethernet switch
Teltonika 955/956 Integrated VPN Router / WiFi AP / Cellular modem

Switches, Lamps, Relays

Alarm Horn
Alarm Silence button
Emergency Stop button
Mains controller USB port front panel
Microgrid controller USB port front panel
6x DPDT 10A relays (**4x DPDT 10A relays)
10x SPDT 6A relays (**4x SPDT 6A relays)

Power Supply

120 VAC 1250 W

Operating Conditions

Operating Temperature	-20 °C .. 60 °C
Storage Temperature	-30 °C .. 70 °C
Indoor mounting only	

Dimensions

24" H x 8" D x 20" W

Control Panel

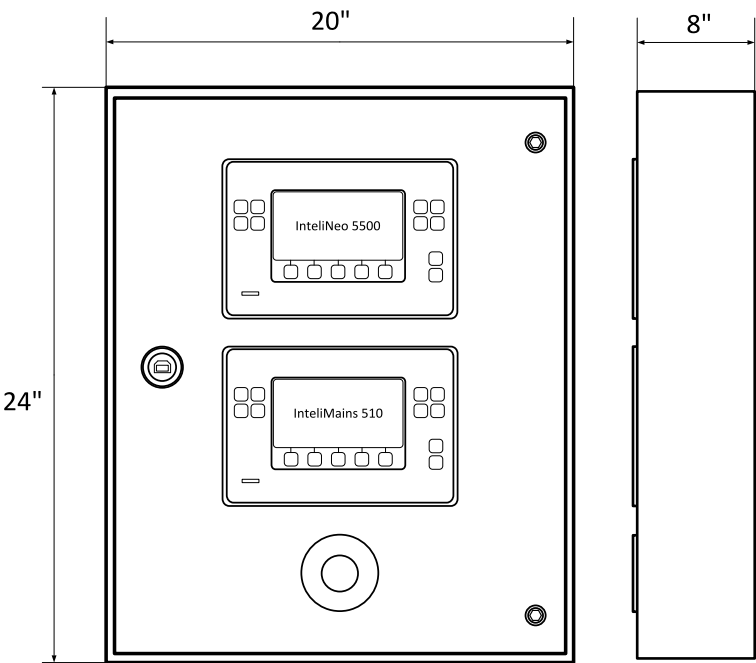


Image 1.3 IN5500 Hybrid Microgrid Control Panel solution

Note: InteliMains 510 is optional. The removal has **shown denoting the changes.