

## 12 - Static UPS & Static Transfer Switches

### APOSTAR AP Premium Static UPS

The AP Premium series of static UPS is based on an architecture of IGBT rectifier and inverter technology configured as "double conversion" for maximum system security, in power ranges from 100 kVA upwards. This feature rich product offers an appealing, compact and lightweight design with minimal audible noise impact by virtue of its load dependant fan control. The ability to parallel modules gives a very high flexibility for "designing in" modular redundancy concepts as well as power upgrades.

#### Key Features

- Superior double conversion technology
- Very high on-line efficiency - low operational cost!
- Virtually unity input power factor
- Sinusoidal input current - no filters required!
- Load dependant fan control
- Superior load handling including leading power factor
- Rated at 0.9pf - more real power
- No harmful battery ripple
- 30% smaller than average footprint
- 100% unbalanced load
- Variable DC link for optimised battery configurations
- Redundant control
- IEC62040-3 VFI SS111 standard
- Customised paint option
- Full suite of communication packages

The latest micro controller technology and power electronics are optimised for low stress and reliable operation.

AP Premium fulfils the needs of modern UPS loads, even server applications with demanding power supply characteristics such as leading power factor.



APOSTAR AP Premium Static UPS

### APOTRANS Static Transfer Switches

APOTRANS Static Switches are specifically designed for integration into high resilience Power Schemes. APOTRANS is available in its own enclosure with standard bypass arrangements or in a PDU configuration with integral switchgear customised to your requirements. Both 3 and 4 pole versions are available as standard.

#### Key Features

- Thermal imaging capability
- Protocol gateway communication
- High short circuit capability
- Load short circuit transfer inhibit
- Redundant cooling & microprocessor controllers
- 80 character LCD display
- Customer connection board/interface
- Oversized neutral
- Intelligent interfacing

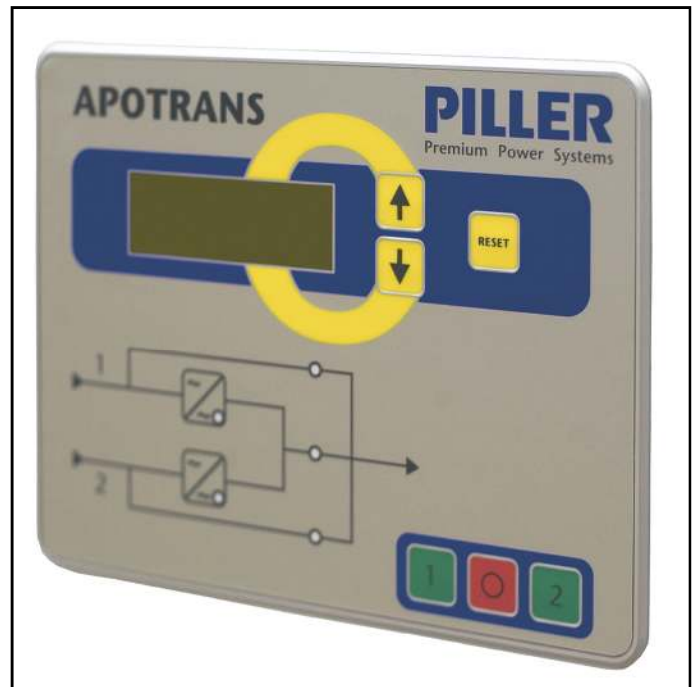
#### Independent Synchronised operation:

UNIBLOCK-R Hybrid and diesel systems are equipped with control systems for external synchronisation making them ideal for isolated and distributed redundant schemes.

### Standards & Service

Full installation and commissioning can be provided to include ancillary items, such as switchgear, depending upon client specific needs. An in house project management department ensures professional project implementation together with full AutoCad facilities and project specific documentation and handbooks.

An extensive hire fleet is available offering a rapid delivery, site enabling capability.



All systems are manufactured to the highest engineering standards including quality assurance to ISO 9001.

An extensive Service and Support Team provide response 24 hours per day 365 days per year. Piller operates world-wide with offices in a number of countries and can offer a turnkey service for pan-European and world-wide projects. In the UK, Piller operate from three offices, Cirencester, London and Knutsford, each with service support centres. Additionally our Edinburgh based service provides support in Scotland.

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