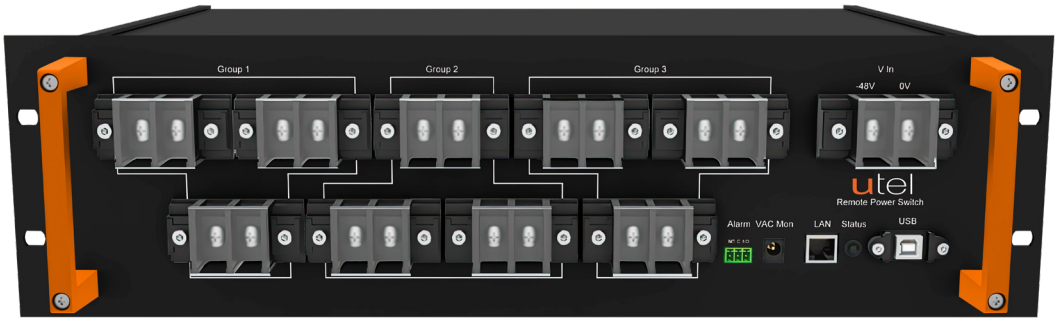
REMOTE BATTERY POWER SWITCH

Why Utel?

For over three decades, UTEL has provided highly innovative test solutions to the global telecoms market. Based in the UK, we have expanded to serve international customers in partnership with some of the sector's leading operators.

We established our reputation in the days of copper networks, providing advanced centralised network test heads, switches and controllers servicing over 20 million lines for Europe's biggest telecoms operators. We now focus on developing products and services to support increasingly sophisticated full fibre networks.



Applications

The UTEL Remote Battery Power Switch enables operators to prioritise backup power to different services when the mains power supply is cut. In areas with frequent power outages this switch provides control over how battery back backup power is deployed. A typical application is to disconnect high power consuming services as battery power diminishes so as to maintain essential services for as long as possible.

The unit provides nine switchable ports for controlling the power to equipment at remote sites. Each port is separately controlled and power thresholds can be set via the web based the user interface. This allows the user to automatically power down equipment on site depending on battery capacity and so extend the availability of high priority services.

The UTEL Remote Battery Power Switch allows the user to monitor the incoming battery voltage and the status of each switchable port. The web interface provides for the configuration of trip voltages and to manually override for the ports. A voltage Trigger Point can be set to turn ON ports that have been switched OFF once the battery voltage has reached an acceptable charge level. The unit can be retrofitted to existing sites and is powered from the remote site battery.

For easy access and maintenance all electrical connections are mounted on the front panel and the unit will fit into a standard 19" rack. Other options are available.

Key features

- Power switching control for DC powered equipment at remote sites
- 9 power switched ports for controlling -48VDC nominal feeds
- Ethernet connection for configuration, control and status monitoring
- Alarm state dry contact output. NO and NC contacts
- Copper path power switching
- Switch load capacity 32A @ -48VDC nominal, per port
- Mains voltage detection via an AC/DC adapter
- 19" Rack mounting

info@utel.co.uk
+44 (0)1473 828909
www.utel.co.uk

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Technical specification	
Switchable power ports	9
Switching capacity	32A @ -48VDC (Per port)
Maximum switching voltage	-55VDC
Battery input voltage measuring range	-44VDC to -54VDC
Maximum power consumption	≈30W (All power ports On)
Mains detection voltage range	+5VDC or +12VDC only
Control interface	Ethernet 100Mb/sec
Control software	Standalone remote power switch software
Output connectors	M5 studs
Maximum power cable diameter	≤14mm²
Maximum ring terminal diameter	11.7mm
Ambient temperature range	Operating: 5°C to 55°C
Dimensions	Width: 19" Height: 3U Depth: 280mm
Weight	9kg

Related products

UTEL Power Monitoring Optical Bypass Switch.

If you'd like to learn more about how the UTEL Remote Battery Power Switch can help optimise your network's reliability and performance, please contact us by emailing info@utel.co.uk or call +44 (0) 1473 828909.

ISO 9001 : 2015 REGISTERED QUALITY MANAGEMENT

ISO 45001 : 2018 REGISTERED OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

ISO 27001 : 2013 REGISTERED INFORMATION SECURITY MANAGEMENT

ISO 22301 : 2019 REGISTERED BUSINESS CONTINUITY MANAGEMENT

ISO 20000-1 : 2018 REGISTERED IT SERVICE MANAGEMENT

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