

COMPACT, RICH-FEATURED, HOT SWAPPABLE, ALL-IN-ONE CONTROLLER

The Smartpack S covers all control and monitoring needs of small to medium telecom and industrial DC power systems. Status and configuration is fully available through the display locally, or through the Ethernet plug both remote or locally.

Designed for the Flatpack S and Flatpack2 system platform, the Smartpack S finds its way into many applications.



SMARTPACK S CONTROLLER

PANEL MOUNT FOR 12V_{DC}, 24V_{DC}, 48 V_{DC} & 60 V_{DC} SYSTEMS

Doc 242100.415.DS3 – v3

APPLICATIONS

TELECOM – MOBILE / WIRELESS

- RADIO BASE STATIONS/ CELL SITES
- LTE / 4G / WIMAX
- DISTRIBUTED ANTENNA SYSTEMS
- BROADBAND

TELECOM – FIXED

- FIBER OPTICS / FTTX
- MICROWAVE
- CABLE
- BROADBAND

OFFSHORE AND PROCESS INDUSTRY

- SAFETY AND AUTOMATION SYSTEMS (SAS)

RAILWAY INFRASTRUCTURE

- CONTROL & PROTECTION
- SIGNALING



300A FP2 SYSTEM

KEY FEATURES

- GRAPHICAL 2.2" TFT HIGH CONTRAST, HIGH RESOLUTION COLOR DISPLAY FOR EASY NAVIGATION IN USER MENU
- ETHERNET FOR REMOTE OR LOCAL MONITORING AND CONTROL VIA WEB BROWSER
- SNMP PROTOCOL WITH TRAP, SET AND GET ON ETHERNET. EMAIL OF TRAP ALARMS
- 6 PROGRAMMABLE RELAY OUTPUTS
- 6 PROGRAMMABLE MULTI-PURPOSE INPUTS ("DIGITAL INPUTS" OR ANALOG SIGNALS).
- COMPREHENSIVE LOGGING
- AUTOMATIC BATTERY MONITORING AND TEST
- BATTERY QUALITY INDICATION (BASED ON TEST RESULTS)

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TECHNICAL SPECIFICATIONS

Model	Smartpack S – Panel Mount
Part number	242100.415
INPUT DATA	
Voltage (nominal)	10 - 75 V _{DC}
System output grounding	Supports positive, floating and negative distributions. All inputs are referenced to shunt.
Power Consumption, max - no relays energized	3,1W (display sleep)
max - all relays energized	5,5W (display on)
SYSTEM CONNECTIONS - SYSTEM MONITORS	
Voltage sense, system voltage support	12 V _{DC} , 24V _{DC} , 48V _{DC} & 60V _{DC}
Current sense, shunt support	0 - 20mV and 0 - 60mV
Battery fuse monitoring	Auxiliary switch NO/NC, Pull up/down
Load fuse monitoring	Auxiliary switch NO/NC, Diode Matrix Pull up/down
Ground fault detection	Simple bridge circuit detection [Tolerance: ±10%, alarm range: 25kΩ – 500kΩ]
Fan speed monitoring	Tacho sense 0-65000 rpm [Input max. 15V]
SYSTEM CONNECTIONS - LVD CONTROL	
Battery disconnect	1 (latched or non-latched supported)
Load disconnect	1 (latched or non-latched supported)
INPUTS AND OUTPUTS	
Digital configurations, Inputs #1-6	Auxiliary switch: NO/NC Temperature (for NTC probe)
Analog configurations, Inputs #1-4	Analog Voltage[±0 - 10V] ±4-20mA current measurement (through external 470kΩ resistor)
Analog configurations, Inputs #5-6	Analog Voltage[0-75V] Symmetry measurement
Output configurations, Outputs #1-6 (alarms)	6x Relay–Dry/Form C Configurable Normally Open/Closed [Max capacity 75V/2A/60W]
Fan Control	Analog Voltage [0 - 10V] Output Current 0 - 20 mA Fan Input Impedance minimum 10 kΩ
CAN Power Available for Eltek CAN Nodes	500mA
USER INTERFACE	
Local	2.2" TFT 65k Colour display, QVGA resolution, 4 keys
Ethernet port	10/100 BASE-T (HP Auto MDI/MDI-X) IP protocols: HTTP / SSL, SNMP v3, MODBUS TCP and pComm UDP (PowerSuite)
Serial port	RS-232 and RS-485 on RJ11 connector Serial protocols: MODBUS RTU, Modem Call-Back/SMS reporting (PSTN or GSM), COMLI, CSCP and pComm (PowerSuite)
GENERAL SPECIFICATIONS	
Dimensions (WxHxD) * depth behind panel	232.2 x 76.2 x 33.0mm (9.1 x 3 x 1.3")
Temperature Range	Operating -20 to +65°C (-40 to 149°F)
DESIGN STANDARDS	
Electrical safety	UL 60950-1-3 rd edition, EN 60950-1-3 rd edition
EMC	ETSI EN 300 386 V.1.4.1 EN 61000-6-1 / -2 / -3 / -4 FCC Part 15 Subpart 109
Environment	ETSI EN 300 019: 2-1 (Class 1.2), 2-2 (Class 2.3) & 2-3 (Class 3.2) ROHS compliant