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 system platform, the Smartpack S finds its way into many space restricted application. Used in the 1U high, 265mm deep power racks, Smartpack S offers comprehensive monitoring and control of a 2-3kW system occupying less than 6 liters.

SMARTPACK S CONTROLLER

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

Doc 242100.410.DS3 – v1

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**

1U 50A SYSTEM

1U 100A SYSTEM

3U SYSTEM BULK OUTPUT

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)

SMARTPACK S CONTROLLER

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

ELTEK

TECHNICAL SPECIFICATIONS

Model	Smartpack S
Part number	242100.410
INPUT DATA	
Voltage (nominal)	10 - 75 V_{DC}
Power Consumption, max - no relays energized max - all relays energized	TBD W TBD W
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
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, Pull up/down
Analog configurations, Inputs #1-4	Analog Voltage[±0 - 10V] ±4-20mA current measurement (through external 470kΩ resistor) Temperature (for NTC probe)
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]
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 or RS-485 on RJ11 connector Serial protocols (pending): MODBUS RTU, Modem Call-Back/SMS reporting (PSTN or GSM) and CSCP
GENERAL SPECIFICATIONS	
Dimensions (WxHxD)	72.2 x 43.0 x 220.7mm (2.8 x 1.7 x 8.7")
Temperature Range	Operating -20 to +60˚C (-40 to 140˚F)
DESIGN STANDARDS	
Electrical safety	UL 60950-1-3rd edition, EN 60950-1-3rd edition
EMC	ETSI EN 300 386 V.1.4.1 EN 61000-6-1 / -2 / -3 / -4 FCC Part 15 Subpart 109
Marine*)	DNV- OS-D202, Ch.2 Sev.4 (DNV 2.4), Temperature Cl. B, Humidity Cl. B, Vibration Cl. A and EMC Class B
Environment	ETSI EN 300 019: 2-1 (Class 1.2), 2-2 (Class 2.3) & 2-3 (Class 3.2) ROHS compliant

*) As part of CA0603.000 Flatpack S 3U Marine system

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