

Compact HE Stand-Alone PR

The Flatpack S Stand-Alone Power Rack is designed to be an easy to place, high efficient DC power solution. It can house 2 Flatpack S rectifiers, and up to 3 units can easily be stacked together. Due to its small size, flexible mounting options and reliability, this unit is a key for future needs.



FLATPACK S STAND-ALONE PR

24V / 48V – 2R

Doc 241122903.DS3 – v3

APPLICATIONS

OFFSHORE AND PROCESS INDUSTRY

- SAFETY AND AUTOMATION SYSTEMS (SAS)

RAILWAY INFRASTRUCTURE

- CONTROL AND PROTECTION
- SIGNALLING

TELECOM – FIXED

- FIBER OPTICS / FTTX
- MICROWAVE
- CABLE
- BROADBAND

TELECOM – MOBILE / WIRELESS

- BROADBAND
- LTE/4G/WIMAX



KEY FEATURES

- COMPACT HE POWER RACK
- HOT PLUGGABLE RECTIFIERS
 - FPS 24/1000 HE SIL3 OVP
 - FPS 24/1000 HE
 - FPS 48/1000 HE
 - FPS 48/1800 HE
- EASY TO PLACE
- EASY TO EXPAND
 - UP TO 3 UNITS CAN BE STACKED
- EASY TO CONNECT
 - FLYING LEADS ON INPUT
- 274 MM DEPTH
- OPTIONAL CONTROLLER (EXTERNAL)
 - COMPACT
 - SMARTPACK S PANEL MOUNT
 - SMARTPACK 2
- FLOATING OUTPUT
 - 48V UP TO 10,2kW
 - 24V UP TO 6kW

FLATPACK S 1U SYSTEMS

24V / 48V - 2R

Model	FPS 2R power rack
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Part number	241122.903
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INPUT DATA

Maximum voltage	300 V _{AC} / 400V _{DC} ¹⁾
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Maximum current	12A _{rms} per feed ¹⁾
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Mains configuration	230V _{AC} , 2 x single phase + PE (individual feed)
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Mains connection	Flying leads 1,5mm ² length 2 meter
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Frequency	45 to 66Hz
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OUTPUT DATA

Maximum voltage	60V _{DC}
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Maximum current	85A
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Connections	M6 cable lug
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CONTROL & MONITORING

Controller options (external)	Compack Smartpack S, Smartpack 2
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Interface	RJ45 for paralleling units and connect controller
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Alarm connection	3-pin (NC-C-NC), galvanic isolated, max 60V _{DC} / 100mA
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MECHANICAL DATA

Dimensions	See figures on next page for details
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Weight	0,910kg
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MOUNTING

For wall mount or mounting plate.

The unit can be mounted horizontally or vertically left or right. Up to 3 Power Racks can be stacked.

DESIGN STANDARDS

Electrical safety	UL60950-1 2ed / IEC60950-1
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EMC	ETSI EN 300 386 V.1.6.1 EN 61000-6-2 EN 61000-6-3 EN 61000-6-4 EN 61000-6-1
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Environment	ETSI EN 300 019-2-1(Cl.1.2) ETSI EN 300 019-2-2(Cl.2.3) ETSI EN 300 019-2-3(Cl.3.2)
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Vibration	According to DNV 2,4
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1) See applicable datasheet for selected rectifiers

Specifications are subject to change without notice

OPTIONAL CONTROLLERS



COMPACT



SMARTPACK S PANEL MOUNT

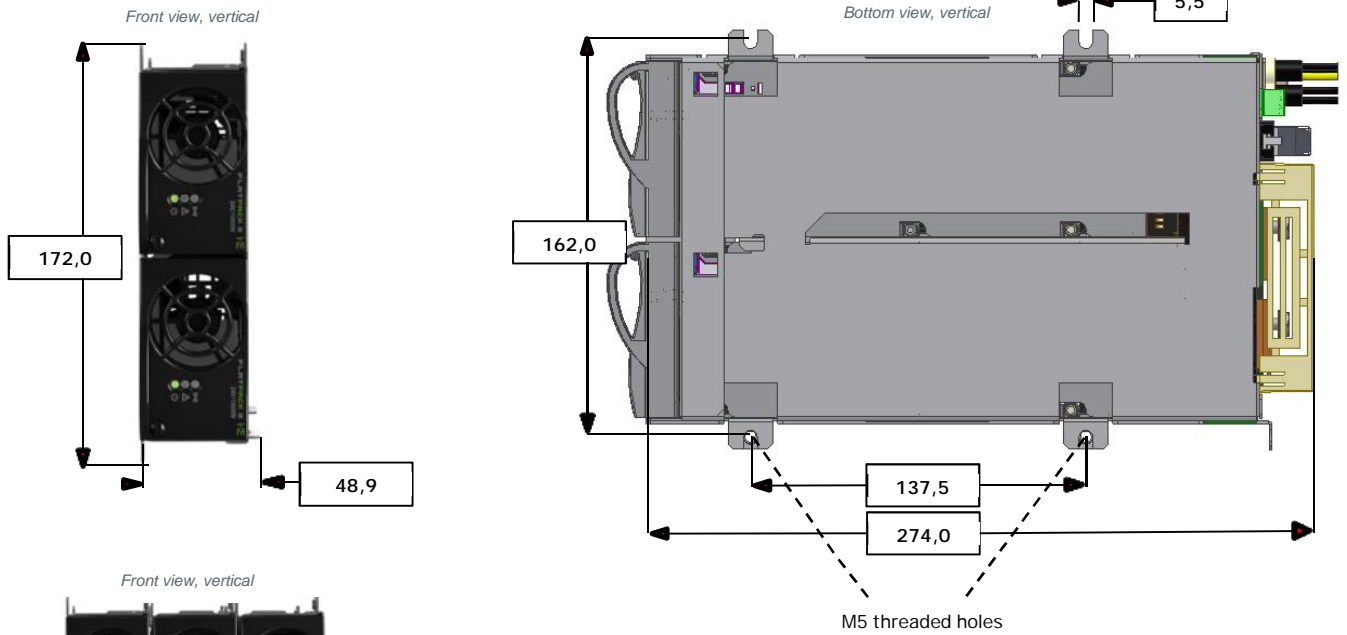


SMARTPACK 2

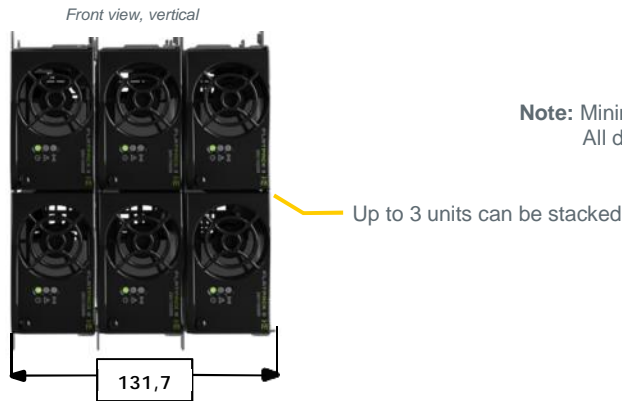
FLATPACK S 1U SYSTEMS

24V / 48V - 2R

DIMENSIONS / LOCATION OF TERMINALS & COM. PORTS



Note: Minimum clearance for airflow at the front and the rear of the unit: 30mm
 All dimensions given in mm



Mains input:
 5 x 1,5mm² flying leads
 2m cable

2 x CAN connectors:
 RJ45 for connecting
 controller/CAN nodes and
 paralleling units

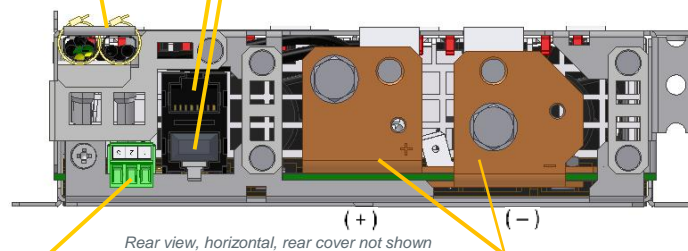
Bracket for strain relief
 (Output cables)

End of line resistor

Module Alarm



Plug in screw terminals
 Flat 3,5mm
 Torque: 1Nm



Output terminals:
 M6 insert nuts for connecting
 cable lug, bolt included
 Torque: 6Nm

Note: Contacts shown in alarm mode of operation with de-energized relay coils (fail safe mode)