

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 / 36V / 48V – 2R

Doc 241122.903.DS3 – v4.1

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



KEY FEATURES

- COMPACT HE POWER RACK
- HOT PLUGGABLE RECTIFIERS
 - FPS 24/1000 HE SIL3 OVP
 - FPS 24/1000 HE
 - FPS 36/1000 HE UI
 - 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(EXT)
 - COMPACK
 - SMARTPACK S PANEL MOUNT
 - SMARTPACK 2
- FLOATING OUTPUT
 - 48V UP TO 10,2kW
 - 36V UP TO 6kW
 - 24V UP TO 6kW

FLATPACK S 1U SYSTEMS

24V / 36V / 48V - 2R

Model	FPS 2R power rack
Part number	241122.903
INPUT DATA	
Maximum voltage	300 V _{AC} / 400V _{DC} ¹⁾
Maximum current	12A _{rms} per feed ¹⁾
Mains configuration	230V _{AC} , 2 x single phase + PE (individual feed)
Mains connection	Flying leads 1,5mm ² length 2 meter
Frequency	45 to 66Hz
OUTPUT DATA	
Maximum voltage	60V _{DC}
Maximum current	85A
Connections	M6 cable lug
CONTROL & MONITORING	
Controller options (external)	Compack Smartpack S, Smartpack 2
Interface	RJ45 for paralleling units and connect controller
Alarm connection	3-pin (NC-C-NC), galvanic isolated, max 60V _{DC} / 100mA
MECHANICAL DATA	
Dimensions	See figures on next page for details
Weight	0,910kg
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	EN 60950-1 / IEC 60950-1
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
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)
Vibration	According to DNV 2,4

1) See applicable datasheet for selected rectifiers / DCDC converter

Specifications are subject to change without notice

OPTIONAL CONTROLLERS



COMPACT



SMARTPACK S PANEL MOUNT

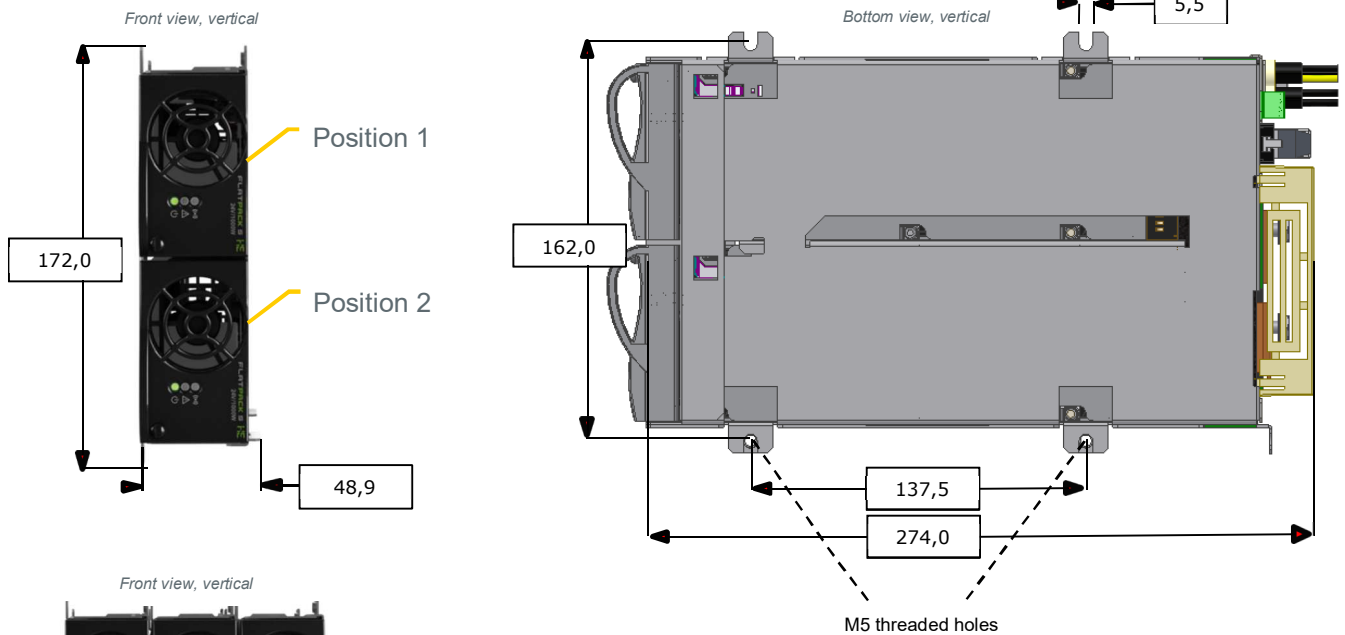


SMARTPACK 2

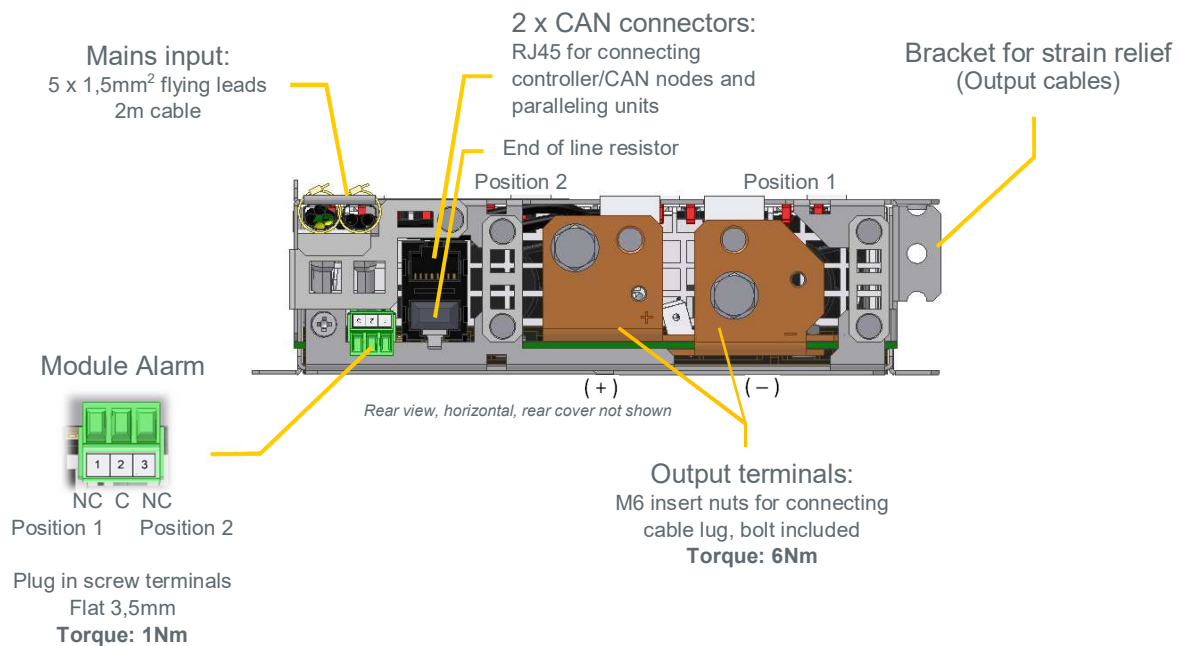
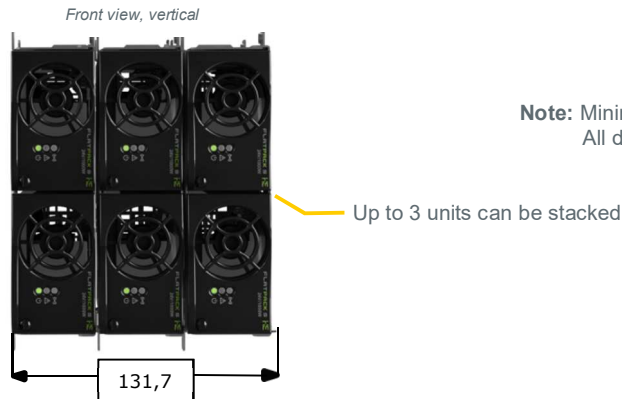
FLATPACK S 1U SYSTEMS

24V / 36V / 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



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