

EMPARRO HD – HEAVY DUTY

Perfect for extreme ambient conditions

The Emparro HD switched power supply is designed for use in particularly tough environments to guarantee a reliable supply of electricity.

The preferred application areas for Emparro HD are areas in which power supply units may be installed in a control cabinet, but are still exposed to a variety of external influences, for example on spreaders (lifting equipment for moving containers), construction cranes, and systems of internal conveyor technology.

The power supply units are often found on movable parts and are exposed to high induction voltages or weather elements, like extreme temperatures and high air humidity.



Emparro HD provides reliable power in extreme conditions

- High vibration and shock resistance thanks to encapsulation and compact design
- Maximum overvoltage resistance as effective protection against voltage peaks like nearby lightning strikes
- Tool-free connection technology through oversized leash terminals
- High efficiency even at extreme temperatures of -40 to +80 °C



ORDER DATA

1-phase

Emparro HD – Heavy Duty

Approvals:

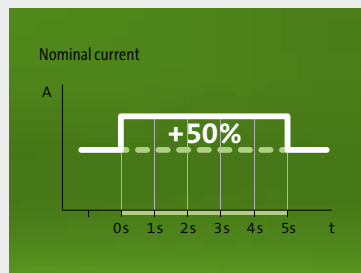


Order data		Art. No.
10 A		85449
Input		
Input voltage	90...265 V AC/90...370 V DC	
Input current	1.1 A at 240 V AC	
Inrush current after 1 ms	< 7 A	
PFC	Active	
Connection	3 × 6 mm ² with push-lock spring-loaded terminals	
Output		
Output voltage	24...28 V DC	
Power Boost	15 A for > 5 s	
Efficiency	Up to 94.2 % at 230 V AC	
Protective action	Short-circuit, overload protected and overtemperature	
Connection	3 × 6 mm ² with push-lock spring-loaded terminals	
General data		
Mains bridging	> 35 ms	
Standards	EN 60950-1, EN 61204-3, EN 55022, EN 61000-3-2	
MTBF	> 1,000,000 h	
Temperature range	-40...+50 °C (up to 80 °C with derating)	
Fastening method	Screw fastening	
Dimensions (H × W × D)	179.3 × 111 × 53.5 mm	



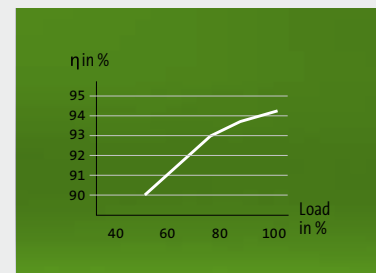
UP TO 1,000,000 HOURS

Emparro HD has a high MTBF value – an indicator for the longevity of the device, which helps prevent downtimes.



POWER BOOST

For a period of more than 5 seconds, Emparro HD supplies up to 150 % power. Larger loads and capacities can be started without there being a need for a second device.



EXTREMELY EFFICIENT

The minimum power dissipation ensures permanently reduced operating costs. The low amount of heat produced ensures a long service life of the device and of the surrounding components as well. And: Compact control cabinets can have smaller dimensions.