

Emparro ACCUcontrol

Keeping machines alive

The UPS module Emparro ACCUcontrol rounds out the high-performance Emparro power supply system. It switches to battery operation without interruption in the event of a power failure and prevents machine downtimes. Investing in a UPS system frequently pays for itself the first-time stoppage is avoided.

External lead batteries with a capacity of up to 40 Ah ensure a long-lasting bridging period. The UPS module is available in variants for 20 A or 40 A. Emparro ACCUcontrol can be assembled without the use of tools and is maintenance free. Having a width of only 65 millimeters, the 20-A variant needs very little space in the control cabinet.



Reliable power supply in the event of faults

- **Machine downtimes prevented** through uninterrupted switching to battery operation in power failures
- **Maximum life time** through temperature-controlled battery charging
- **High operational reliability** through comprehensive control and diagnosis options with predictive maintenance
- **Data loss prevented** through a shutdown function for IPCs using easy-to-use computer software

Predictive maintenance **get informed before failure**

Emparro ACCUcontrol monitors permanently the internal resistance of connected batteries. If limits are exceeded, the device gives a warning signal over an alarm contact. The replacement of the battery can then be scheduled for the next service interval. This predictive information prevents unplanned failures from happening and prevents you from having to send service technicians to the field for small jobs.

Maximum life time **The cooler, the better**

Batteries like low temperatures. They perform better and they live longer. For this reason, Emparro ACCUcontrol can charge batteries based on temperature. The charging voltage is adapted to the ambient temperature. This feature allows for maximum battery life time to be achieved, even with high ambient temperatures.

Simple connection to IPCs

Emparro ACCUcontrol can be connected easily to an industrial computer via mini-USB. This means:

- In the event of power failure, the industrial PC will shut down in a controlled manner.
- Live monitoring of grid voltage and battery charging status is possible.
- Operating states can be documented in a protocol.
- Operating parameters can be set easily without problems.



ORDER DATA

Emparro ACCUcontrol



Approvals:



Order data	Art. No.	Art. No.
24 V DC	85414	85415
Input		
Input voltage	21.6...30 V DC	
Max. input current	23 A DC	43 A DC
Charging current	2 A	
Output		
Output voltage (buffer operation)	27.7...19.2 V DC	
Max. output current	20 A	40 A
Buffer time	Dependent on connected battery	
General data		
Dimensions H x W x D	123 x 65 x 143 mm	123 x 85 x 143 mm
Temperature range	-25...+45 °C	
Fastening method	Snaps onto mounting rails TH35-7.5/TH 35-15 (EN 60715)	
Temperature sensor	KTY 81-210	
Battery type	Lead battery, sealed, max. 40 Ah	

ACCESSORIES

Designation	Description	Art. No.
Emparro ACCU 2401	Maintenance-free battery module 24 V/1.2 Ah	89550
Emparro ACCU 2407	Maintenance-free battery module 24 V/7.2 Ah	89552
Emparro ACCU 2412	Maintenance-free battery module 24 V/12.0 Ah	89553
Emparro ACCU 2417	Maintenance-free battery module 24 V/17.0 Ah	89554
Emparro ACCU 2424	Maintenance-free battery module 24 V/24.0 Ah	89555
Emparro ACCUsensor	Temperature sensor 1.0 m	89600
Emparro ACCUfusebridge	FKS fuse holder for battery modules 17 Ah and 24 Ah	89559



Also available from Murrelektronik

EMPARRO Cap—the life-long maintenance-free buffer module based on ultra-capacitors with enough buffer time for structured shut-down of machines and control units.