

## Emparro ACCUcontrol

Keeping machines alive

The Emparro ACCUcontrol UPS module rounds out the high-performance Emparro power supply system. In the event of a power failure, it automatically switches to battery operation and prevents machine downtimes. Investing in a UPS system frequently pays for itself the first-time a 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 for 20 A or 40 A systems. Emparro ACCUcontrol can be assembled without the use of tools and is maintenance free. Because it is only 65 mm wide, the 20 A model needs very little space in the control cabinet.



### Reliable power supply in the event of faults

- **Machine downtimes are prevented** through uninterrupted switching to battery operation in power failures
- **Maximum lifetime** through temperature-controlled battery charging
- **High operational reliability** through comprehensive control and diagnosis options with predictive maintenance
- **A shutdown function for IPCs prevents data loss** with easy-to-use computer software

Predictive maintenance

#### Get informed before failure

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

Maximum life time

#### The cooler, the better

Batteries perform better and they live longer in cooler temperatures. As a result, Emparro ACCUcontrol can charge batteries based on temperature. The charging voltage is adapted to the ambient temperature. This feature allows you to achieve maximum battery life, even in a high temperature environment.

## Simple connection to IPCs

Emparro ACCUcontrol is easily connected 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	<b>85414</b>	<b>85415</b>
<b>Input</b>		
Input voltage	21.6...30 V DC	
Max. input current	23 A DC	43 A DC
Charging current	2 A	
<b>Output</b>		
Output voltage (buffer operation)	27.7...19.2 V DC	
Max. output current	20 A	40 A
Buffer time	Dependent on connected battery	
<b>General data</b>		
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	<b>89550</b>
Emparro ACCU 2407	Maintenance-free battery module 24 V/7.2 Ah	<b>89552</b>
Emparro ACCU 2412	Maintenance-free battery module 24 V/12.0 Ah	<b>89553</b>
Emparro ACCU 2417	Maintenance-free battery module 24 V/17.0 Ah	<b>89554</b>
Emparro ACCU 2424	Maintenance-free battery module 24 V/24.0 Ah	<b>89555</b>
Emparro ACCUsensor	Temperature sensor 1.0 m	<b>89600</b>
Emparro ACCUfusebridge	FKS fuse holder for battery modules 17 Ah and 24 Ah	<b>89559</b>



#### 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.