



## **Top quality in action**

High-end charging units for emergency services vehicles



**PERFECT ENERGY**

# Active charging – for starting vehicles first time, every time

## Are you always ready for action?

The demands made of emergency services personnel are very high indeed. Speed is one of them. In an emergency, their vehicles have to rush them to the scene as fast as possible. And this means being prepared! Only fully charged batteries can be relied on to start your engine first time and get you quickly to where you're needed. Professional battery charging equipment is thus an absolute "must" if you are serious about being ready to provide swift and effective assistance at all times.

## In short – if you don't even make it out of the garage, you've only got yourself to blame!

Whenever vehicles are left unused for a longer period of time, there will often be problems starting up the engines again. The same goes if you forget to turn off any additional loads (e.g. interior lighting). Problems like this are only made worse by the tendency of batteries to "self-discharge": After only 4 months, for example, vehicle starter batteries that are not recharged will already have lost up to 50 % of their capacity.

For this reason, you should recharge your mission vehicles' batteries at regular intervals. This will not only prolong their service lives but also – and even more importantly – ensure that your vehicles are always "ready to roll".

## ACCTIVA chargers

The Fronius ACCTIVA-series units are specially tailored to the needs of emergency services, with a wide range of products from which you can choose the charger that is just right for your particular application.

- ACCTIVA easy for cars and vans with 12 V batteries, for compensation charging
- ACCTIVA 12-10 for emergency services vehicles (cars and light trucks) with 12 V batteries
- ACCTIVA 24-10 for emergency services vehicles (heavy trucks) with 24 V batteries
- ACCTIVA Twin for on-board installation in the vehicle (with either 12 V or 24 V batteries)

4 different high-performance units, then, that will satisfy the most exacting professional requirements.

## How you benefit:

- In terms of performance and technology, ACCTIVA is a jump ahead of the rest.
- Capability – e.g. Fronius is an OEM supplier to Austria's – and indeed the world's – leading manufacturer of custom fire-fighting vehicles.
- Prolonged battery life – invest in a Fronius charger and you'll find you're spending a lot less on buying replacement batteries.



ACCTIVA 12-10



ACCTIVA 24-10



ACCTIVA Twin



ACCTIVA easy

## 2 charging variants - the choice is up to you

### Variant 1: On-board charger

With this variant, your ACCTIVA charger is permanently installed inside the vehicle. It is kept supplied with 230 V mains voltage from the outside via a plug socket on the vehicle. When properly wired up, this variant offers a wealth of advantages:

- Short charging cables mean that there is only minimum loss of voltage. (The long charging cables often needed with external charging units can cause voltage-drops and lengthier charging times.)
- There is a fully-fledged 230 V supply in the vehicle, for powering the chargers for other battery-powered equipment such as portable spotlights, walkie-talkies etc.
- The vehicle can also be kept supplied by an emergency power generator at the scene of the incident.
- The vehicle does not have to be parked in any one particular space in the garage.

### Variant 2: External charger

Mounted at the desired location (in the fire station, operational centre etc.), the external charger is connected up to the vehicle by a special charging plug and cables carrying low voltage (normally 12 V or 24 V). The cables, plug sockets and batteries must be given proper fuse protection if the advantages of this variant are to be exploited to the full:

- The low voltage in the vehicle is harmless from the technical safety point of view.
- Charging sockets are now standard equipment on modern vehicles.
- The charging status can be read off easily from the charger, and from a considerable distance away.



ACCTIVA Twin, inside vehicle



ACCTIVA 24-10, externally mounted



Cable reeling-up device and charger



Combined charging and compressed-air plug ...



... connected up to the vehicle

## TECHNICAL DATA

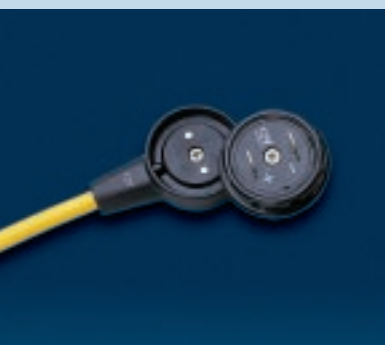
	ACCTIVA easy 1206	ACCTIVA 12-10	ACCTIVA 24-10	ACCTIVA Twin
Input voltage	110-230 V~	230 V~	230 V~	230 V~
Nominal charging voltage	12 V	12 V	24 V	2 x 12 V
Charging voltage range	13.5-14.4 V	13.5-14.4 V	27-28.8 V	13.5-14.4 V
Charging current (arith)	4 A	10 A	10 A	2 x 5 A
Charging characteristic	IUoU	IUoU	IUoU	IUoU
Weight	250 g / 0.6 lb.	1000 g / 2.2 lb.	1500 g / 3.3 lb.	3400 g / 7.5 lb.
Dimensions	W x H x D mm	119 x 72 x 52	195 x 75 x 144	200 x 324 x 87
	Inches	4.69 x 2.84 x 2.05	7.68 x 2.96 x 5.67	7.88 x 12.78 x 3.43
Battery capacities	3-200 Ah	20-240 Ah	20-240 Ah	3-200 Ah

## ARTICLE NUMBERS

4,010,095	ACCTIVA easy 1206
4,010,009	ACCTIVA 12-10
4,010,081	ACCTIVA 24-10
4,010,011	ACCTIVA Twin

## ACCESSORIES AVAILABLE ON ENQUIRY

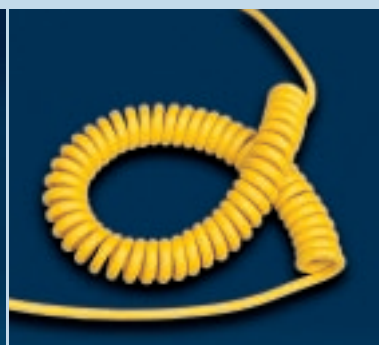
Magnetic fixing system  
Cable reeling-up device  
Coiled charging cable  
Combined charging and compressed-air plug



Magnetic fixing system, without cables



Cable reeling-up device, without cables



Coiled charging cable, 3 m



Charging/compressed-air plug, 5 m cable



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