

/ Perfect Welding / Solar Energy / **Perfect Charging**



# Pricelist

/ Acctiva Battery Charging Systems for workshop and showroom



**Fronius International GmbH**

Division Perfect Charging

Valid from 01.01.2017 until cancelled

Recommended sales prices in EURO

Ex-works Sattledt / Austria



## Battery Charging Systems at the Car Dealer

All modern vehicles are fitted with an ever increasing range of electronic components that are designed to improve safety, reduce consumption and increase comfort. Intelligent battery charging systems that can quickly give vehicle batteries their most efficient charge levels are therefore becoming more and more important. This is where the Fronius Activa series comes in. Active Inverter Technology provides the perfect charger for every requirement.



Visit us in the Internet under [www.fronius.com/workshop](http://www.fronius.com/workshop)

# PRODUCT OVERVIEW OF ACCTIVA BATTERY CHARGING SYSTEMS

Battery voltage [V]	Active charging current [A]	Battery capacity [Ah]	All battery types	Charger type	Functions										IP protection class	Maximum input power [W]	Housing unit*	Charging hardware	Refresh on next start	Overvoltage protection	Back-ground
						Capacity protection	Test functions	Trickle mode	LED indicator	Display	Charging	Overvoltage protection	Rapid charging	Residual voltage protection	USB port	Edge guard					

## ACCTIVA EASY

12V	2	1-85	•	Acctiva Easy 1202	•	-	•	•	-	•	•	•	-	•	-	-	30	100-230	1	IUoU		IUoU
	4	2-135	•	Acctiva Easy 1204	•	-	•	•	-	•	•	•	-	•	-	-	30	100-230	1	IUoU		IUoU
	6	3-200	•	Acctiva Easy 1206	•	-	•	•	-	•	•	•	-	•	-	-	30	100-230	1	IUoU		IUoU
24V	3	1,5-100	•	Acctiva Easy 2403	•	-	•	•	-	•	•	•	-	•	-	-	30	100-230	1	IUoU		IUoU
6V	4	2-135	•	Acctiva Easy 6/12	•	-	•	•	-	•	•	•	-	•	-	-	30	230	1	IUoU		IUoU
12V	3	1,5-100	•	Acctiva Easy 6/12	•	-	•	•	-	•	•	•	-	•	-	-	30	230	1	IUoU		IUoU
12V	4	2-135	•	Acctiva Easy 12/24	•	-	•	•	-	•	•	•	-	•	-	-	30	230	1	IUoU		IUoU
24V	2,5	1,5-90	•	Acctiva Easy 12/24	•	-	•	•	-	•	•	•	-	•	-	-	30	230	1	IUoU		IUoU

## MULTIPLE CHARGING CIRCUITS

12 V	6 x 6	3-110	•	Acctiva Easy Multicharger 06	•	-	-	•	-	•	•	•	-	•	-	-	30	100-230	2	IUoU		IUoU
	6 x 3	3-110	•	Acctiva Easy Multicharger 06 UCN	•	-	-	•	-	•	•	•	-	•	-	-	30	100-230	2	IUoU		IUoU
	6 x 3	3-110	•	Acctiva Easy Multicharger 06 JP	•	-	-	•	-	•	•	•	-	•	-	-	30	100-230	2	IUoU		IUoU
	2 x 15	50-300	•	Acctiva Twin 15A	•	-	-	•	•	-	•	•	-	•	-	•	40	230	3	IUoU		-

## ACCTIVA STANDARD

12V	10	36-180	•	Acctiva 12-10	•	-	-	•	•	-	•	•	-	•	-	-	31	230	4	IWUoU		IWUoU
	20	44-300	•	Acctiva 12-20	•	-	-	•	•	-	•	•	-	•	-	-	31	230	5	IUoU		IU
24V	5	10-100	•	Acctiva 24-5	•	-	-	•	•	-	•	•	-	•	-	-	31	230	4	IWUoU		IWUoU
	10	36-180	•	Acctiva 24-10	•	-	-	•	•	-	•	•	-	•	-	-	31	230	5	IUoU		IU
12/24V	20	44-300	•	Acctiva 12/24-20	•	-	-	•	•	-	•	•	-	•	-	-	31	230	5	IUoU		IU

## ACCTIVA PROFESSIONAL 35A

6/12/24V	2-35	3-350	•	Acctiva Professional 35A	•	•	-	•	-	•	•	•	•	•	•	•	40	230	3	IUoU	IUIoU***	IU	IU
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## ACCTIVA PROFESSIONAL FLASH

12V	2-70	10-250	•	Acctiva Professional Flash	•	•	•	•	-	•	•	•	•	•	•	•	21	230	6	IUoU	IU	IU	IU
	2-70	10-250	•	Acctiva Professional Flash UCN	•	•	•	•	-	•	•	•	•	•	•	•	21	115	6	IUoU	IU	IU	IU

## ACCTIVA SELLER

12V	30	-	•	Acctiva Seller	•	-	-	•	•	-	•	•	•	•	•	•	40	230	3	IUoU	-	-	-
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\* Housing dimensions l x w x h [mm] | 1: 119x72x52 | 2: 584x288x98 | 3: 270x162x88 | 4: 180x142x70 | 5: 285x142x70 | 6: 315x110x200

\*\* Battery types: standard batteries, lead acid, Ca-Ca, AGM, spiral, gel (VRLA), sealant ...

\*\*\* Capacities from 35Ah





Acctiva Professional Flash

## ACCTIVA PROFESSIONAL FLASH

### Battery Charging System

#### Applications

##### Diagnosis & charging mode:

Supplies parallel loads during diagnosis. The charger offers maximum safety during this process, with a current of 70A.

**External power supply** without battery, e.g. during battery change, in showrooms or at trade fairs.

##### Refresh mode:

Low-power batteries can be recharged in this mode (desulphating). This process takes place via a microprocessor-controlled IUloU characteristic.

**Rapid charging** thanks to Active Inverter Technology

#### Product Information

**Electronic reverse polarity protection**, thermal overload protection, safety cut-out, electronically safe

For **(re)charging or charge conservation** of conventional lead acid, lead calcium/silver batteries or sealant type (AGM, MF), as well as maintenance-free lead gel batteries, without disconnecting from the vehicle power supply

Based on **Active Inverter Technology**

**Investment protection** because of integral USB port for constant up-dates

#### Application Areas

vehicle workshop (diagnosis, software updates, showroom, trade fairs, vehicle premieres)

Art.-No.	PG	Description
4,010,140	68	<b>Acctiva Professional Flash</b> Display, 230V / 12V - 70A Charging lead 16mm <sup>2</sup> red, black 5m screwable Fully-insulated screwable terminals Plug-in mains lead 5m USB-interface User Manual
4,010,140,800	68	<b>Acctiva Professional Flash UCN USA</b> with the same scope of delivery
4,010,140,801	68	<b>Acctiva Professional Flash UCN CANADA</b> with the same scope of delivery

## ACCTIVA PROFESSIONAL FLASH ACCESSORY



Art.-No.	PG	Description
4,045,974	68	<b>Trolley</b> Professional for Acctiva Professional Flash with casters
40,0006,0124	3	<b>System case</b> for Acctiva Professional Flash (without device)
4,001,700	68	<b>Wall bracket</b> (without device)
42,0406,0295	6	<b>Carrying strap</b>
43,0004,2858	68	<b>Charging lead</b> for Acctiva Professional Flash Charging lead 16mm <sup>2</sup> , 5m screwable with fully insulated screwable terminals
43,0004,2881	68	<b>Terminals</b> for Acctiva Professional Flash up to 16mm <sup>2</sup> black 80A *) / 600A 15 sec.
43,0004,2882	68	<b>Terminals</b> for Acctiva Professional Flash up to 16mm <sup>2</sup> red 80A *) / 600A 15 sec.
42,0405,0530	68	<b>Edge guard</b> (2x)
43,0004,2862	621	<b>Mains lead EU</b> , 5m (plug-in)
43,0004,2864	621	<b>Mains lead CH</b> , 5m (plug-in)
43,0004,2863	621	<b>Mains lead UK</b> , 5m (plug-in)

\*) constant load

# ACCTIVA PROFESSIONAL 35A

## Battery Charging System



Acctiva Professional 35A

### Applications

#### Charging:

Automatic charging and battery support system for parallel consumers during short service periods.

#### Diagnosis and software updates:

Buffering mode supplies the parallel consumer with energy during diagnosis and software updates. The battery charging system delivers a current of up to 35A.

#### Battery change:

Back-up mode ensures that user settings in the vehicle are retained while the battery is being changed.

#### Power supply mode:

Guarantees an external power supply without any support from the battery.

#### Refresh mode:

Low-power batteries can be recharged in this mode (desulphating).

### Product Information

**Animated user guidance display** for ease of use and the highest levels of reliability.

**Rugged, compact housing** for a range of uses in your workshop

**Plug-in charging and mains cables** (in different lengths)

**Edge guard** provides stability and protects paint from damage

Optional **USB interface** for updating the charging system software ensures long-lasting and future-proof usage

### Application Areas

In the workshop for cars, HGVs buses, motorcycles, emergency vehicles, construction machinery and agricultural machinery

Konfig.-No.	PG	Description	
951	604	<b>Acctiva Professional 35A</b>	
		<b>Obligatory Option</b>	
	604	Wall housing	inclusive
	604	Display	inclusive
	604	Setup Acctiva Professional 35A	inclusive
	621	Instruction manual	inclusive
	604	Mains lead EU, 2m (plug-in)	inclusive
	604	Charging lead, 10mm <sup>2</sup> , 2,5m / terminals 80A	inclusive
	604	Edge guard (2x)	inclusive
	604	<b>Acctiva Professional 35A UCN USA</b>	
		with the same scope of delivery	

## ACCTIVA PROFESSIONAL 35A CAR EDITION



Konfig.-No.	PG	Description	
954	604	<b>Acctiva Professional 35A Car Edition</b>	
		<b>Obligatory Option</b>	
	604	Wall housing	inclusive
	604	Display	inclusive
	604	Setup Acctiva Professional 35A (system case)	inclusive
	621	Instruction manual (DE,GB,F,IT,NL,ES,PT,CZ)	inclusive
	604	Mains lead EU, 5m (plug-in)	inclusive
	604	Charging lead, 10mm <sup>2</sup> , 2,5m / terminals 80A	inclusive
	604	Edge guard (2x)	inclusive

## ACCTIVA PROFESSIONAL 35A ACCESSORY

Art.-No.	PG	Description
40,0006,1184	70	System case (without battery charging system)
4,001,722	604	Wall bracket "Snap-in"
43,0004,4280	604	Charging lead, 10mm <sup>2</sup> , 2,5m / terminals 80A
43,0004,4120	621	Charging lead, 10mm <sup>2</sup> , 5m / terminals 80A
4,100,545	621	Charging status indication
43,0004,2951	621	Mains lead EU, 2m (plug-in)
43,0004,2862	621	Mains lead EU, 5m (plug-in)
43,0004,2864	621	Mains lead CH, 5m (plug-in)
43,0004,2863	621	Mains lead UK, 5m (plug-in)
4,100,575	621	External Start Stopp
4,100,857	67	USB interface - Update



Acctiva Seller

## ACCTIVA SELLER

### Power Supply

#### Applications

The vehicle is powered in the showroom by the Acctiva Seller, not the starter battery. This back-up mode prevents charging cycles in the starter battery.

Charging and recharging the often heavily-used batteries in the display vehicle.

#### Product Information

**Power supply** based on Active Inverter Technology. Specially developed software combines the advantages of an IUoU characteristic with an external power supply to treat the battery as gently as possible. This technology eliminates charge and discharge cycles in a starter battery, thereby preserving the battery capacity.

**Electronically safe** thanks to electronic reverse polarity protection, thermal overload protection, safety cut-out and short circuit protection.

**Fanless design** allows the chargers to supply power and charge batteries silently, making unwelcome fan noise a thing of the past.

**Plug-in charging and mains leads.** The leads can be fed to the battery or the Acctiva Seller through the smallest openings in the engine compartment or the boot.

**Edge guard** makes the Activa Seller slip-proof and prevents paint damage and dents if dropped on the vehicle bodywork.

**Special housing** construction allows the use of a T locking system (e.g. Kensington lock), providing unrivalled security against theft.

Konfig.-No.	PG	Description	
950	604	<b>Acctiva Seller</b>	
		<b>Obligatory Option</b>	
	604	Wall housing	inclusive
	604	Display Acctiva Seller	inclusive
	604	Setup Acctiva Seller	inclusive
	621	Instruction manual	inclusive
	604	Mains lead 3x1mm <sup>2</sup> EU, 5m (plug-in)	inclusive
	604	Charging lead AI, 6mm <sup>2</sup> , 2,5m / terminals 80A	inclusive
	604	Edge guard (2pc)	inclusive
	604	<b>Acctiva Seller UCN USA</b>	
		with the same scope of delivery	



## ACCTIVA SELLER ACCESSORY

Art.-No.	PG	Description	
40,0006,1184	70	System case	
4,001,722	604	Wall bracket "Snap-in"	
43,0004,4120	621	Charging lead, 10mm <sup>2</sup> , 5m / terminals 80A	
4,100,545	621	Charging status indication	
43,0004,2951	621	Mains lead EU, 2m (plug-in)	
43,0004,2862	621	Mains lead EU, 5m (plug-in)	
43,0004,2864	621	Mains lead CH, 5m (plug-in)	
43,0004,2863	621	Mains lead UK, 5m (plug-in)	

# ACCTIVA STANDARD

## Battery Charging System



Acctiva 12-10



Acctiva 24-5



Acctiva 12-20



Acctiva 24-10



Acctiva 12/24-20

### Applications

**Charging mode:** Automatic charging with IUoU characteristic

**Trickle charging:** Consumer loads switched on and in use during charging (e.g. powering demonstration vehicles in the showroom, etc.)

### Product Information

Electronic reverse polarity protection, thermal overload protection, safety cut-out, electronically safe

For **(re)charging or charge conservation** of conventional lead acid, lead calcium/silver batteries or sealant type (AGM, MF), as well as maintenance-free lead gel batteries, without disconnecting from the vehicle power supply

Based on **Active Inverter Technology**

### Application Areas

Cars, motorcycles, buses, construction machinery, agricultural machinery, vintage cars, caravans, light aircraft, boats

Art.-No.	PG	Description
4,010,009	61	<b>Acctiva 12-10 Wet&amp;Gel</b> 12V - 10A 1,5m charging lead with terminals
4,010,010	61	<b>Acctiva 24-5 Wet&amp;Gel</b> 24V - 5A 1,5m charging lead with terminals
4,010,080	61	<b>Acctiva 12-20</b> 12V - 20A 1,5m charging lead with terminals
4,010,081	61	<b>Acctiva 24-10</b> 24V - 10A 1,5m charging lead with terminals
4,010,082	61	<b>Acctiva 12/24-20</b> 12,24V - 20A 1,5m charging lead with terminals

## ACCTIVA STANDARD ACCESSORY

Art.-No.	PG	Description
42,0200,8891	61	<b>Wall bracket</b> (without device)
4,100,314	61	<b>Set of housing feet</b> for Acctiva 12-20, 24-10, 12/24-20 and Professional
40,0006,0982	70	<b>System case</b> for Acctiva 12-20, 24-10, 12/24-20 and Professional



# ACCTIVA TWIN 15A

## Battery Charging System

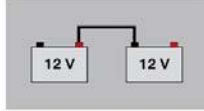


Acctiva Twin 15A

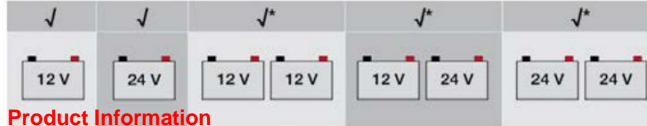


### Applications

When setting up a 24 V vehicle electrical supply from two 12 V batteries connected in series, the Acctiva Twin ensures that different charge statuses are evened out even if different loads are placed on the two batteries by 12 V and 24 V consumers.



The Acctiva Twin can also be used with different battery combinations:



### Product Information

- Based on **Active Inverter Technology**
- Universal - for all batteries: conventional lead acid, lead calcium/silver or sealant type (AGM, MF) batteries, and maintenance-free lead gel batteries
- Automatic 12 V / 24 V battery voltage detection
- **Charge status, fault and start/stop** are indicated on the LED display
- Plug-in charging and mains cables
- Highly **efficient cooling system** ensures stable operation
- Both battery and vehicle are 100% safe thanks to **short-circuit protection, active reverse polarity protection, active mains voltage monitoring, automatic open circuit voltage detection** (when changing a battery) plus **charge phase monitoring** (for faulty battery)
- Charging of **deeply discharged** batteries possible
- Up to 96% energy efficiency

### Options

- **FireCAN** communication interfaces and **Floating contact** are used to transfer data between the battery charging system and the vehicle's electronic system.

### Application Areas

Emergency vehicles, commercial vehicles, boats, caravans, etc...

Konfig-No.	PG	Description	
952	604	Acctiva Twin 15A with CAN Fire	
953	604	Acctiva Twin 15A Basic	
		<b>Obligatory Option</b>	
	621	Wall housing	inclusive
	621	Standard Display	inclusive
	621	Set-up Acctiva Twin 15A	inclusive
	621	Instruction manual	inclusive
	621	Mains lead, EU 2m (plug-in)	inclusive
	621	Charging lead AI 5m, 6mm²	inclusive

Exclusively deliverable with 5m charging lead!

## ACCTIVA TWIN 15A ACCESSORY

Art.-No.	PG	Description	
43,0004,2862	621	Mains lead EU, 5m (plug-in)	
43,0004,4147	621	Charging lead, 6mm², 5m	
4,100,545	621	Charging status indication	
4,001,722	604	Wall bracket (without device)	
BY2,0201,3195	621	Fixing battery connector	
43,0004,2864	621	Mains lead CH, 5m (plug-in)	
43,0004,2863	621	Mains lead UK, 5m (plug-in)	

# ACCTIVA MULTICHARGER

## Battery Charging System

### Applications

**Charging mode:** Up to 6 batteries can be charged at the same time. After charging, the charger automatically switches over to conservation charging in order to avoid self-discharge.

### Testing

The Acctiva Multicharger uses the measured open circuit voltage to determine the battery charge state.

### Product Information

Electronic reverse polarity protection, thermal overload protection, safety cut-out, electronically safe

For **(re)charging or charge conservation** of conventional lead acid, lead calcium/silver batteries or sealant type (AGM, MF), as well as maintenance-free lead gel batteries, without disconnecting from the vehicle power supply

Based on **Active Inverter Technology**

### Application Areas

Cars, Motorcycles (showroom, storage batteries)



Acctiva Multicharger 06



Charging and testing 6 batteries

Art.-No.	PG	Description	
4,010,089	636	<b>Acctiva Multicharger 06</b> Multiple-circuit charger 6 x 12V / 6 x 6A Incl. charging lead with terminals (extended max. length 2m)	
		<b>Obligatory Option</b>	
43,0004,2951	621	Mains lead EU, 2m (plug-in)	

## ACCTIVA MULTICHARGER 06 ACCESSORY

Art.-No.	PG	Description	
43,0004,2862	621	Mains lead EU, 5m (plug-in)	
43,0004,2864	621	Mains lead CH, 5m (plug-in)	
43,0004,2863	621	Mains lead UK, 5m (plug-in)	

# ACCTIVA EASY

## Battery Charging System

### Applications

**Charging:** The Acctiva Easy charges batteries fully automatically and gently until they reach their maximum capacity. After charging, the charger automatically switches over to conservation charging in order to avoid self-discharge.

**Testing:** The Acctiva Easy uses the measured open circuit voltage to determine the battery charge state and the startability of the battery. To test its performance, simply start the vehicle.

**Checking:** The Acctiva Easy checks the function of the alternator. Whether the voltage generated lies inside or outside the permitted range is indicated on the display.

**Replacing:** If the vehicle's battery is removed or replaced, stored data (e.g. radio, clock, etc) is retained. The Acctiva Easy temporarily replaces the battery as the power supply unit. Saved data is not lost.



Acctiva Easy

### Product Information

Electronic reverse polarity protection, thermal overload protection, safety cut-out, electronically safe

For **(re)charging or charge conservation** of conventional lead acid, lead calcium/silver batteries or sealant type (AGM, MF), as well as maintenance-free lead gel batteries, without disconnecting from the vehicle power supply

Based on **Active Inverter Technology**

### Application Areas

Workshop (Showroom, used cars), cars, motorcycles, construction machinery, agricultural machinery, vintage cars, caravans



Acctiva Easy Packaging



Three integrated test functions



Acctiva Easy Car Edition



Acctiva Easy Point-of-Sales display

Art.-No.	PG	Description
4,010,091	60	<b>Acctiva Easy 1202</b> Base unit 1202 - 12V 2A Charging lead with terminals - 2m
4,010,093	60	<b>Acctiva Easy 1204</b> Base unit 1204 - 12V 4A Charging lead with terminals - 2m
4,010,095	60	<b>Acctiva Easy 1206</b> Base unit 1206 - 12V 6A Charging lead with terminals - 2m
4,010,098	60	<b>Acctiva Easy 6/12</b> Base unit 6/12V Switchable 6V 4A; 12V 3A Charging lead with terminals - 2m
4,010,099	60	<b>Acctiva Easy 12/24</b> Base unit 12/24V Switchable 12V 4A; 24V 2,5A Charging lead with terminals - 2m
4,010,097	60	<b>Acctiva Easy 2403</b> Base unit 2403 - 24V 3A Charging lead with terminals - 2m
4,010,095,859	60	<b>Acctiva Easy 1206 Car Edition</b> Base unit 1206 - 12V 6A Charging lead with terminals - 2m Charging lead with vehicle connector - 2m System case, wall bracket Extension mains lead, 3m
40,0006,1147	67	<b>Point-of-Sales display</b> The POS display is ideal for use on sales and information desks as well as at trade fairs and events. Space for five new Acctiva easy sales packagings.

## ACCTIVA EASY ACCESSORY



Art.-No.	PG	Description
4,100,330	60	Accessory-set Acctiva Easy Extension mains lead, 3m Wall bracket, 2 wall plugs and 2 screws
42,0405,0296	60	Wall bracket
43,0004,3815	60	Extension mains lead - 3m
43,0004,5244	60	Charging lead 2x0,75mm <sup>2</sup> with terminals - 2m
43,0004,3861	60	Charging lead 2x1,5mm <sup>2</sup> with terminals - 4m
43,0004,3915	60	Charging lead 2x1,5mm <sup>2</sup> with OBD II - 4m
43,0004,2151	60	Charging lead 2x0,75mm <sup>2</sup> with vehicle connector - 2m
43,0004,3860	60	Charging lead 2x1,5mm <sup>2</sup> with vehicle connector - 4m
43,0004,2430	60	Charging lead 2x0,75mm <sup>2</sup> with cable plug - 0,5m
43,0004,2431	60	Charging lead 2x0,75mm <sup>2</sup> with Molex - 2m
43,0004,2265	60	Charging lead 2x0,75mm <sup>2</sup> with open end - 2m



ACCTIVA EASY ACCESSORY



Art.-No.	PG	Description
43,0003,0787	60	Magcode Plug 12V
43,0003,0788	60	Magcode Plug 24V
43,0003,0786	60	Magcode socket 12V
43,0003,0789	60	Magcode socket 24V
43,0004,2526	60	Spiral charging lead 2x0,75mm² with 161.00 DIN plug - 3m Fire department
43,0004,2523	60	Spiral charging lead with Magcode plug - 3m Fire department
43,0003,0847	60	Plug adapter UK 3pol

# ACCTIVA EASY - BASIC UNITS

## Battery Charging System



Acctiva Easy

### Product Information

Electronic reverse polarity protection, thermal overload protection, safety cut-out, electronically safe  
For **(re)charging or charge conservation** of conventional lead acid, lead calcium/silver batteries or sealant type (AGM, MF), as well as maintenance-free lead gel batteries, without disconnecting from the vehicle power supply  
Based on **Active Inverter Technology**

### Basic units

Every box contains 24 units  
Order per 24 units required



Charging status indication



Three integrated test functions

Art.-No	PG Description	
4,010,092	60 <b>Acctiva Easy 1202</b> Base unit 1202 - 12V, 2A without charging leads	
4,010,094	60 <b>Acctiva Easy 1204</b> Base unit 1204 - 12V, 4A without charging leads	
4,010,096	60 <b>Acctiva Easy 1206</b> Base unit 1206 - 12V, 6A without charging leads	
4,010,101	60 <b>Acctiva Easy 6/12</b> Base unit 6/12V Switchable 6V 4A; 12V 3A without charging leads	
4,010,102	60 <b>Acctiva Easy 12/24</b> Base unit 12/24V Switchable 12V 4A; 24V 2,5A without charging leads	
4,010,100	60 <b>Acctiva Easy 2403</b> Base unit 2403 - 24V 3A without charging leads	

Accessory can be found on page 11 and 12.

/ Perfect Welding / Solar Energy / Perfect Charging



## NOTES

# GENERAL TERMS OF DELIVERY AND PAYMENT

/ Fronius International / valid from 1st June 2013



# GENERAL TERMS OF DELIVERY AND PAYMENT

valid from 1st June 2013

## 1. APPLICABILITY

1.1 All deliveries and other services effected by ourselves, and all payments made to us, shall be exclusively governed by these Terms of Delivery and Payment. Insofar as applicable provisions may be found to be missing therefrom, the General Terms of Delivery of the Austrian Electrical and Electronic Industries shall apply in a subsidiary manner; in all other regards, Austrian laws and regulations shall apply. If any business terms of the Ordering Party's are at variance with these General Terms of Delivery and Payment, we shall only be bound by such divergent terms if we have expressly recognised the same by letter or by telefax.

1.2 In taking delivery of the goods and/or service, the Ordering Party acknowledges the exclusive applicability of our Terms of Delivery and Payment.

## 2. OFFERS

2.1 Our offers are without engagement and subject to alteration, unless the offer makes express mention of a period of engagement. Documents pertaining to our offers – such as drawings, illustrations, samples and patterns, and dimensional, weight, performance and consumption data – contain or themselves constitute only approximate data and are not deemed to be specially agreed characteristics unless otherwise provided. We retain the right to effect modifications for engineering reasons.

2.2 We reserve the proprietary rights and copyright to all cost estimates, drawings and other documents; these may neither be disclosed to any third party nor used for the purposes of any third party.

## 3. ACCEPTANCE OF THE ORDER; SUPPLEMENTARY AGREEMENTS

Acceptance of an order, and any undertakings or supplementary agreements made by our employees, as well as amendments and alterations of any kind, shall not be binding upon us until we have issued written confirmation by letter, telefax or e-mail.

## 4. PRICE AND PAYMENT CONDITIONS; OFFSETTING

4.1 Prices are always the list prices valid on the date of delivery. They are ex-works prices (EXW [Incoterms in the latest version]), exclusive of packaging, insurance, loading at the factory and value-added tax; the packaging will not be taken back.

4.2 Payments are to be made net cash, without any deduction and free of charges, within 30 days of the invoice date. It shall be for us to decide which claims or partial claims of the Ordering Party's may be offset against such payments.

4.3 If any changes in order execution are necessitated by circumstances where risk is borne by the Ordering Party, then this latter shall bear all additional costs thereby incurred.

4.4 If the payment period is exceeded, we shall be entitled to charge default interest at a rate of ten percentage points above the applicable base rate announced by the Austrian National Bank, plus the collection costs, such amounts to total at least 12% p.a. of the overall claim. This is without prejudice to any further consequences of default in payment.

4.5 It is inadmissible for the Ordering Party to withhold payments or to offset these against counter-claims which are contested by ourselves.

4.6 Where the Ordering Party holds claims against ourselves, we are entitled to offset these against our own claims against the Ordering Party, at any time.

4.7 For services performed under contracts for work and materials (installation, repairs, maintenance and other such work), we shall charge the hourly rates and materials-prices applicable at the time of completion, plus our applicable surcharges for any overtime, night-time, Sunday and public-holiday working; travel and waiting times are counted as working hours. Travel expenses and daily and overnight allowances will be invoiced separately.

## 5. PERFORMANCE, SHIPPING AND DEFAULT

5.1 The delivery period commences with the mailing of the order confirmation note, while the performance period for installation, maintenance or repair work commences when the equipment is handed over. On no account, however, shall the delivery or performance period start to elapse sooner than 14 days after the time when the Ordering Party has furnished us with the documents (e.g. engineering drawings, plans etc), permits or approvals which it is responsible for procuring, or when it has made the agreed pre-payment. The delivery or performance deadline is deemed to have been met if we have notified the Ordering Party prior to such deadline of our readiness to deliver or perform; in cases where a special agreement obliges us to dispatch or deliver, the delivery or performance deadline shall be deemed to have been met if the object of delivery or performance has left our factory prior to such deadline.

5.2 Delivery or performance periods are extended for the duration of any unforeseen impediments lying outside our sphere of influence, such as stoppages, major personnel outages, unlawful strikes, delays in supplies of essential raw materials or components or the like, as well as by circumstances where risk is borne by the Ordering Party, to the extent that these impediments and/or circumstances are of material relevance to the failure to meet the deadline. Impediments and/or circumstances of this nature also annul the consequences of a default for which we would otherwise be liable, for the duration of such impediments; any

contractual penalty obligations which may have been agreed for specific instances shall entirely cease to apply. Immediate notification is to be given of the beginning and end of such impediments. We are entitled to terminate the contract, in whole or in part, if such impediments should occur. In this case, unless the Ordering Party proves gross negligence on our part, damages claims from the Ordering Party shall be inadmissible.

5.3 If agreed delivery or performance deadlines, or deadlines that have been extended in accordance with 5.2 above, are exceeded by more than four weeks, the Ordering Party shall be entitled to terminate the contract, having granted us at least 14 days' extra time by notice given to us in a registered letter. Unless the Ordering Party proves gross negligence on our part, damages claims from the Ordering Party shall be inadmissible in this case.

5.4 If the Ordering Party incurs a loss from a delay for which we are liable, then it shall be entitled to compensation amounting to 0.5% per whole week - up to a maximum of 5% - of the value of that part of the delivery which cannot be used in time or for its intended purpose as a result of the delay. For other services, the compensation shall be 5% of the remuneration. Any damages claims going beyond the above shall be inadmissible, as shall claims for damages in consequence of delays on the part of our suppliers, unless gross negligence is proven on our part.

5.5 In cases where we have undertaken to effect shipping, the mode and route of shipping shall be for us to decide. Goods are always shipped at the Ordering Party's risk and expense. We shall only be liable for damage if gross negligence is proven on our part. We shall only take out transport / breakage insurance by order and for the account of the Ordering Party.

5.6 We are entitled to effect part-deliveries.

5.7 Our compliance with the delivery period shall be contingent upon the Ordering Party having fulfilled its contractual obligations in all pending, still-to-be-completed business transactions.

5.8 If shipping is delayed due to circumstances where risk is borne by the Ordering Party, then this latter shall bear all resulting additional costs, such as those for storage at our factory, but with a minimum monthly charge of 0.5% of the invoice amount. In such a case we shall also be entitled to grant the Ordering Party a grace period of at most 14 days, and if this period should expire to no avail, we shall then be entitled, at our own discretion, either to make alternative arrangements regarding the article(s) to be delivered and to effect delivery to the Ordering Party within a suitably extended period of time, or to terminate the contract and claim damages for breach of contract. In this latter case, we are entitled, without having to furnish any particular proof, to require 10% of the remuneration for the intended delivery as indemnification. Where appropriately substantiated, we can also claim compensation for any damage over and above this amount.

5.9 In the case of goods ordered on call, or ordered for production with no shipping instructions, delivery must be taken within three months. If this time limit elapses unused, then 5.8 shall apply analogously.

5.10 For services performed under contracts for work and materials (4.7), the Ordering Party is to provide us with the necessary equipment and auxiliary materials (e.g. winches, rails, electricity etc.) in good time and at no charge, even if installation is included in the price (4.1) or if a flat-rate price has been agreed for this. Any works needing to be carried out by the Ordering Party preparatory to installation, e.g. building work, must be completed prior to the arrival of our installation technicians. Furthermore, the Ordering Party must take all safety precautions needed for the protection of persons and property. We shall not accept liability for the ancillary personnel, equipment and auxiliary materials which may be placed at our disposal unless gross negligence is proven on our part.

## 6. PASSAGE OF RISK

6.1 Risk shall pass to the Ordering Party as soon as the articles to be delivered, or the articles on which we have performed maintenance, repair or other work, have left our factory. The same shall also apply to part-deliveries or in cases where we have undertaken to bear the shipping charges or to perform delivery, setting-up, assembly, installation or other similar services. If the maintenance, repair or other work is carried out in the domain of the Ordering Party, then risk shall pass to this latter as soon as it has received notification that the work in question has been completed.

6.2 If there is any delay in dispatching or delivering the shipment for reasons for which we are not liable, the risk shall pass to the Ordering Party as soon as it has been notified that the consignment is ready for delivery.

## 7. RETENTION OF TITLE; RESCISSION

7.1 We shall retain title to the article(s) delivered until our purchase-price claims, and all other claims that we have – on whatever legal grounds – against the Ordering Party, have been settled in full.

7.2 The Ordering Party is only permitted to re-sell the article delivered – even if this has been joined to other items or subjected to processing – in the course of its company's regular business operations. However, this permission is precluded if the resulting claims are assigned to third parties or are the subject of an assignment prohibition, or if the Ordering Party is insolvent or in default with the performance of its contractual obligations. No other manner of disposition whatever is permitted to the Ordering Party. In the event of distraintment, confiscation or other disposition by third parties, the Ordering Party is to notify us hereof

immediately. Our legal expenses incurred in connection with the enforcement of our title are to be borne by the Ordering Party.

7.3 The Ordering Party assigns to us even now its claims and other rights from the re-sale, rental or leasing of the article delivered, even if this latter has been joined together with other items or subjected to processing; the Ordering Party shall make an entry to this effect in its books. If the article delivered is sold or placed into the hands of a third party for such party's use together with other items (regardless of whether or not it has been joined to any such items or subjected to processing), then the receivables claim shall only be assigned up to the amount of the purchase price owed to ourselves. This is without prejudice to any further damages claims.

7.4 The Ordering Party is only entitled to collect the claims and to assert the other rights to the extent that it has met its payment obligations towards us and is not insolvent.

7.5 If the Ordering Party should act contrary to the terms of the contract – in particular by being in arrears with payment or with any other contractual obligation, and/or by being insolvent – we shall be entitled, at our own discretion, either to terminate the contract without granting any grace period or, while leaving the contract in force, to take back the article de-livered or to forbid it to be used. We shall also be entitled to sell the taken-back article in the open market; after deduction of a handling fee of 10% of the proceeds thus realised, the re-ma-inder will be debited from the total of our outstanding claims against the Ordering Party. Pending return of the article in the event of our terminating the contract, we shall charge the Ordering Party a usage fee of 5% of the original value of the article, unless the actual diminution in its value is even greater.

## 8. WARRANTY

8.1 We give no warranty for ordinary deviations in size, weight or quality (or as tolerated by ÖNORM, EN or DIN standards), and also no warranty for information given regarding the suitability of the article(s) to be delivered for the purpose contemplated by the Ordering Party, or for any other particular purpose.

8.2 Although we warrant the correctness of our processing instructions, user/operating manuals and customer advisory service, compliance with statutory or other regulations when using the articles delivered, and the testing of these articles for the purpose envisaged, shall remain the sole responsibility of the Ordering Party. We shall only be answerable for any instructions differing from our written processing instructions and user/operating manuals if we expressly previously confirmed these deviations to the Ordering Party in writing, either by letter, telefax or e-mail.

8.3 Articles or services supplied must be inspected by the Ordering Party immediately after delivery has been taken of them. Any defects must be reported to us immediately upon being discovered, in a written notice sent by letter, telefax or e-mail quoting the number and date of the order confirmation note, of the delivery note or of the invoice, and the serial and commission numbers. If the Ordering Party omits to make this immediate notification, it may no longer assert any warranty claims or claims for compensatory damages on account either of the defect itself or of any misapprehension as to whether the delivery or service was free of defects. The notice must set out which delivered items or supplied services are affected by the defects, what the defects consist of in detail, and under what concomitant circumstances these defects occurred. Every single defect must be exactly described. Any costs which we incur as a result of unjustified notices or notices that are otherwise at variance with the conditions of use are to be refunded to us by the Ordering Party.

8.4 In the case of corrective and preventive maintenance work, our warranty shall be limited to the services actually rendered. We shall only warrant correct functioning of an installation, machine, Software or the like whose components were not all supplied by ourselves if we provable have undertaken – despite the provision of certain components by the Ordering Party or by third parties – to manufacture the installation (or machine etc.) as a whole, and if the faulty functioning in question is not attributable to incorrect or incomplete information from the Ordering Party.

8.5 Unless otherwise agreed, the warranty period shall be 24 months. From the beginning of the 13th month of this period, however, our warranty shall be limited to making available, free of charge, the items needed for remedying the defects; from this time onwards, any warranty claims going beyond the above shall be inadmissible. This period limitation also applies to the supply of items deemed to be immovable and to work on items which are, or are deemed to be, immovable. The warranty period shall start to elapse upon the passage of risk in accordance with Point 6. The Ordering Party must always prove that defects coming to light during the warranty period were already present at the time of the passage of risk.

8.6 In cases where we do give warranty, we shall – at our own discretion and within a reasonable period of at least 4 weeks' duration – either exchange the defective article itself, or its defective components, for a defect-free article or defect-free components, or remedy the defect(s), or grant the Ordering Party a reasonable reduction in price, or (unless the defect in question is a minor one) cancel the contract. The warranty period is not prolonged by the exchange of the item or of parts or components belonging to the item. If, however, the remainder of the warranty period – including that part of the period during which our warranty is limited to free provision of the requisite materials in accordance with Point 8.5 – lasts for less than twelve months, then the warranty period for the exchanged items, parts or components shall be extended to twelve months. The items, parts or components thus exchanged shall become our

property. We shall not refund the costs for any actual or attempted remedying of a defect by the Ordering Party or by any third party.

8.7 To the extent that is necessary and may reasonably be expected of the Ordering Party, the object of delivery or performance, or the defective part(s) thereof, are to be dispatched or shipped to us immediately at our request, at the Ordering Party's risk and expense, failing which any and all warranty obligation on our part shall become void.

8.8 The Ordering Party is not entitled to withhold payments on account of warranty claims or other counter-claims not recognised by ourselves.

8.9 Warranty claims from the Ordering Party are excluded in cases where the installation, user and operating manuals provided by ourselves, or to be requested from us by the Ordering Party, have not been observed, or where the user has not been (fully) obligated to observe such instructions; if the installation work has not been performed properly and in accordance with the relevant Standards, and in particular if was not carried out by licensed contractors; if any corrective maintenance or other work has been performed on the object of delivery or performance without our consent; if it has been improperly operated or used, or operated despite its protective features being faulty, or taken out of the contract territory without our consent, or used contrary to our instructions or for purposes for which it is not intended; and, moreover, where defects are attributable to foreign object damage, chemical influences, overvoltage, the conduct of third parties or to force majeure; the same applies in respect of natural wear-and-tear. 8.10 Our warranty is also excluded in cases where we have been contracted to carry out re-pair-orders, to alter or modify used items, or to supply such items.

8.11. Finally all warranty claims shall be excluded if the Ordering Party installs third-party components or replacement parts in our delivery items or services provided by us which have not been expressly recommended by us prior thereto.

8.12. In addition to the rights of the Ordering Party in accordance with Point 8.6. regarding the delivery of inverters for photovoltaic systems the guarantee in accordance with the guarantee conditions of Fronius shall apply, available at [www.fronius.com/solar/garantie](http://www.fronius.com/solar/garantie).

## 9. DAMAGES AND PRODUCT LIABILITY

9.1 We shall only accept unlimited liability for damage, of whatever kind, to the extent that the Ordering Party proves that we ourselves brought about this damage either knowingly and wilfully or grossly negligently. If the Ordering Party proves that we have caused damage in an ordinarily negligent manner, our obligation to indemnify shall be limited to the damage actually incurred, and, moreover, to a maximum overall amount not exceeding the total order value. Furthermore, claims of this type may only be enforced at law if asserted within six months of the damage in question becoming known.

9.2 In the event that we are taken to law by a third party where we have produced and delivered in accordance with the drawings, designs, models or other documents provided by the Ordering Party, the Ordering Party shall indemnify and save us harmless.

9.3 When using the installations, machines and other articles delivered by ourselves, the Ordering Party is obliged to painstakingly observe all safety regulations, technical rules, installation regulations, operating instructions and user manuals, and in particular all regulations applying to the electrical engineering field, and to allow only authorised skilled personnel to operate the equipment.

9.4. Any liability for damage caused by the installation or use of third-party components or replacement parts with our delivery items, which have not been verifiably and expressly recommended by us, shall be excluded.

## 10. CONSENT TO DATA PROTECTION

**Client shall agree that Fronius International GmbH and its subsidiaries may collect, process and use personal data (such as name, address, email address), if applicable also by commissioning a service provider, for the purpose of sending information regarding products and services of any kind (e.g. by post, email, newsletter and more). A dissemination to externals in excess thereof shall not occur (excluded are legal or judicial obligations to provide information). The consent may be objected at any time in writing, in the newsletter there is also a link to unsubscribe.**

## 11. FINAL PROVISIONS

11.1 The place of performance for deliveries, other services and payments, and the sole place of jurisdiction, shall be Wels, Austria. However, we shall also be entitled to go to law against the Ordering Party at the court which has "in-rem" and territorial jurisdiction under the relevant regulations for the Ordering Party's commercial domicile or place of residence.

11.2 The Ordering Party is aware that in international commerce, it is common practice that an agreement regarding the place of jurisdiction can also be entered into, in a formally effective manner, as a result of tacit acquiescence or non-reaction to a confirmatory business letter such as an order confirmation note containing a pre-printed reference to the place of jurisdiction. The Ordering Party is familiar with this commercial usage, especially in the field of business of Fronius International GmbH, and heeds it regularly.

11.3 Legal disputes arising out of the contract are to be governed by Austrian law and by the commercial practice prevailing at the place of performance. The UN Convention on Contracts for the International Sale of Goods, on the other hand, shall not be applicable (Austrian Federal Gazette 1988/96).

## 12. SPECIAL PROVISIONS FOR SOFTWARE SUPPLIED TOGETHER WITH ORDERED ITEMS OR SOFTWARE SUPPLIED SEPARATELY

For software delivered together with other items or for software delivered separately (hereafter "software") these Terms and Conditions of Delivery and Payment only apply insofar as these do not deviate from the following conditions or from conditions agreed upon separately with the Ordering Party.

### 12.1 SCOPE OF USE

12.1.1 All rights of intellectual property, such as copyright, trademark rights, design rights, patent rights, utility model rights and know-how, as well as in particular unprotected inventions, commercial experience, trade secrets and such like, independent from the time these were disclosed to the Ordering Party, shall be reserved at any time by us or our licensors. The Ordering Party shall have the right to use the software after payment of the agreed sum exclusively for his own purposes in accordance with the acquired number of licences. With the present contract only the authorization to use the software is acquired. Dissemination by the Ordering Party shall be excluded in accordance with the copyright law. With a possible participation of the Ordering Party in producing the software no rights other than the specified usage laid out in Section 12 are acquired. The Ordering Party may only use the software simultaneously on one device, which one is his decision. Usage of the software shall constitute any long-term or even any temporary duplication (copying) of the software, whether in whole or also only in part, by saving, loading, running or displaying for the purpose of execution of the software and processing of the data contained therein by the hardware. He shall not be authorized to copy the user manual.

12.1.2 The Ordering Party shall be permitted to make copies of the software for archival and data protection purposes on condition that there is no explicit prohibition in the software or any accompanying material (instruction manual, packaging, etc.) and that all copyright and proprietary notices are transferred unchanged in these copies. Retranslations of the programme code (decompilation) exceeding the legal provisions shall not be permitted.

12.1.3. If the software is equipped with technical copy protection, the Ordering Party shall in the case of damage be supplied with a replacement copy after restitution of the data carrier.

### 12.2 FURTHER RIGHTS

In the event of availability of a new software version the Ordering Party shall be entitled to exchange the supplied software package for a similar software package of the new version at our listed update price; the exchange implies the software package as a whole, as it was acquired by the Ordering Party. With the exchange Ordering Party's permission to use the ex-changed software package shall expire. In such an event the Ordering Party shall immediately and completely destroy all copies, partial copies and backup copies as well as altered or revised versions of the software and the copies, partial copies and backup copies made thereof.

### 12.3 WARRANTY

12.3.1 The Ordering Party shall note that it is not possible to develop software programmes in such a manner that these are free from defects for every application condition.

12.3.2 We shall warrant that the supplied software fulfils the agreed functions and has the expressly guaranteed properties. Requirement for any warranty is usage according to contract. A defect for which we are responsible shall only be deemed to exist if the software does not function according to the most recent version of the corresponding performance description/documentation and if this is reproducible by the Ordering Party. In order to carefully examine possible occurring defects the Ordering Party shall be obliged to support us in the rectification of any defects.

12.3.3 We further shall warrant that the original software is duly recorded onto a tested data carrier. Excepted here from are previously installed software and third-party software products.

12.3.4 Software defects shall be documented by the user and we shall be notified in writing with immediate effect; otherwise 8.3 shall apply.

12.3.5 The warranty period shall always be twelve months; the period commences with the dispatch of the software package.

12.3.6 If the software package is not usable or defect (12.3.2), we shall exchange it primarily for a new one of the same title or for an adequate alternative solution. If this also proves to be unusable or defect and if we are not in a position to make it usable with adequate effort within an adequate time, but at least within a period of four weeks, the Ordering Party may demand a price reduction or a change. Costs of defect rectification by the Ordering Party or a third person shall not be compensated by us.

12.3.7 In excess of this (12.3.6) we shall not provide warranty, in particular not in the case of the supplied software not meeting the special requirements of the Ordering Party or user, and also not for altered or revised versions of the software (point 12.1.2), unless the Ordering Party can prove that the defects are not connected to the alterations or revisions. The Ordering Party itself is solely responsible for the selection, installation and usage of the software as well as for the results intended therewith.

12.3.8 In the event of unjustified assertion of defects in the software we shall be entitled to charge the Ordering Party with any incurred costs according to valid cost rates.

12.3.9 A change of the end-user shall exclude any warranty claims.

### 12.4 COMPENSATION

12.4.1 All further claims of the Ordering Party or third persons, in particular claims for compensation for damages of any kind, shall be excluded, unless the injured party can prove that the damage was caused by us either intentionally or due to gross negligence.

12.4.2 Otherwise Point 9 shall apply accordingly.

## additional information and helpful tools

Learn more about the topic battery charging and the Acctiva battery charging systems in the below given links to different additives:

/ Detailed information as well as technical explanations about the Acctiva battery charging systems: [www.fronius.com/cardealer](http://www.fronius.com/cardealer)

/ Current videos and animations demonstrate the advantages of the Fronius battery charging systems: [www.youtube.com/FroniusCharging](http://www.youtube.com/FroniusCharging)

/ All approvals and recommendations from the car manufacturers can be found under [www.fronius.com/workshop](http://www.fronius.com/workshop)

Would you like more information about Fronius battery charging systems? Send us an Email to [perfect.charging@fronius.com](mailto:perfect.charging@fronius.com) and get current interesting information about the Acctiva battery charging systems.

/ Perfect Welding / Solar Energy / Perfect Charging

## WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.

/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,700 employees worldwide, we shift the limits of what's possible - our record of over 800 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

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