



MULTIPAC

MULTIPAC : MULTIFUNCTIONAL CHARGERS

Multifunctional chargers

It is no longer necessary to purchase a matching charger for each type of battery: with the MultiPac you can charge any battery just as well. You can charge 6V, 12V and 24V batteries. With MultiPac Pro you can even charge 6, 8, 12, 24, 36 and 48V. Furthermore, you can charge both gel batteries and traditional batteries.



Why do I need the MultiPac?

- The MultiPac is an extremely flexible battery charger. It can be used to charge virtually all types of batteries.
- The MultiPac is the ideal charger for use in combination with the AlfaBat.
- Very light and compact.
- Soundly constructed and reliable.
- Microprocessor-controlled.
- Easy to use.
- Efficiency > 86%, about 60% less energy consumption than that of a conventional charger.

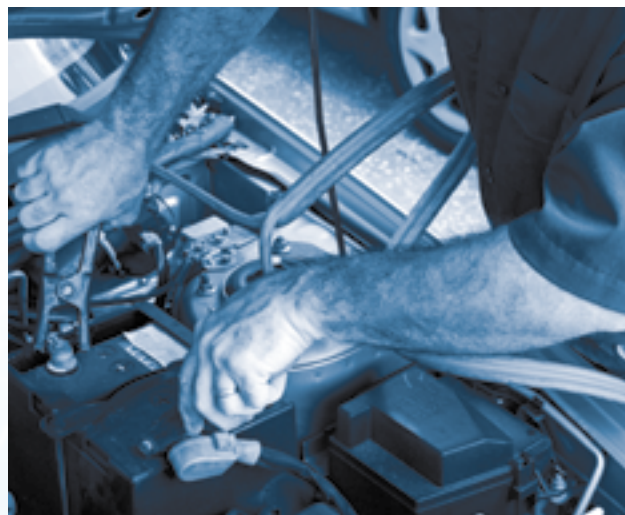
SURVEY OF APPLICATIONS

SPECIFICATIONS

- The MultiPac charges batteries from 17 to 410 Ah/5h. There is also an extra "FAST IUoU" setting provided which can compensate for parallel consumption of up to 30A.
- With the MultiPac Pro you can charge batteries from 28 up to 410Ah/5h.
- Due to the extreme low starting voltage (0.1V/cel) is it possible to charge deeply discharged batteries.
- High efficiency is just one of the many attributes of the MultiPac. This can produce considerable savings on the long term. As a result, the device is also extremely eco-friendly.
- Naturally, the MultiPac is the perfect charger for use in combination with the AlfaBat.
- Batteries can now be tested even faster and more efficiently than ever.
- Thanks to their trickle charging, the MultiPac is extremely suitable for keeping stock batteries ready for instant use and free of harmful sulphatation.

Applications

- Automotive
- Cleaning
- AWP
- Golf
- Horticulture
- Recreational vehicles
- Marine
- Alarm systems
- UPS
- Electrical vehicles
- Mobility
- Renewable energy
- Research and development
- Traffic signs





Charging characteristics

There are 32 different charging regimes programmed into the MultiPac, allowing you to select the perfect regime to charge a specific battery. These 32 different regimes can be selected with switches, which are fitted on top of the MultiPac. MultiPac Pro has a total of 72 different positions. (see figure on the right)

Capacity

170-265Au 5u
210-330Au 20u
110-170Au 5u
135-210Au 20u
70-110Au 5u
85-135Au 20u
45-70Au 5u
55-86Au 20u
28-46Au 5u
21-55Au 20u
17-28Au 5u
21-35Au 20u

266-410Au 5u
330-510Au 20u
FAST
IUoU

Voltage and type

Unsealed (Wet)

6V

12V

24V

Sealed (Gel)

6V

12V

24V

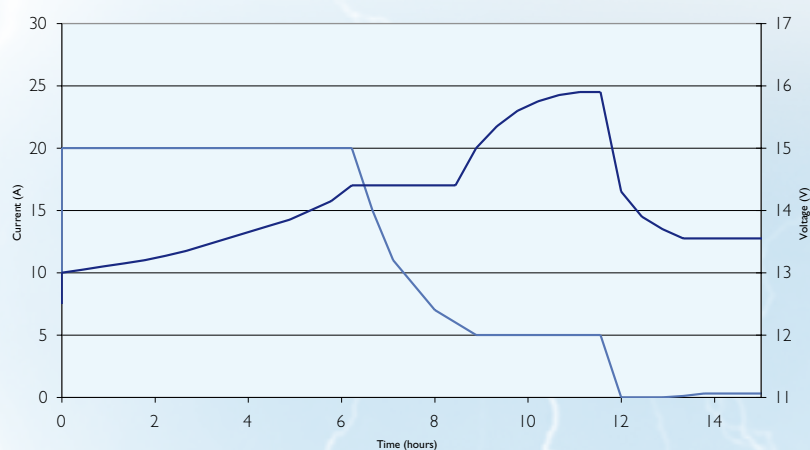
Professional battery testing

- When you combine the MultiPac with the AlfaBat, you have the ultimate set-up for extremely easy, rapid and professional battery testing.
- When you have to test different types of batteries frequently, finding a suitable charger, recharging the batteries, testing the batteries and, recharging the batteries again is always a time-consuming business.
- All these steps can be reduced to a simple push of a button with the set-up illustrated above. All you have to do is select the type of battery and the rest is done for you – automatically.



Above: a typical test setup.
This setup permits successive discharge and recharge of a battery over several cycles

MultiPac Charging graph (IUlaoU)



Charging curve

The MultiPac charges with the IUlaoU curve that is approved by most of the producers. With the MultiPac you can choose between 7 different charge currents and 6 with the MultiPac Pro.

The "FAST IUoU" feature of the MultiPac makes it possible to compensate safely for parallel consumption of max 30A.

This gives you the perfect charger to compensate for a car's consumption during programming or downloading.

CHARACTERISTICS

There is a MultiPac for every application:

Specifications			Battery Capacity (5h)	
Current	MultiPac	Pro	Min. cap.	Max. cap.
3.0	✓		17	28
5.0	✓	✓	28	45
7.5	✓	✓	45	70
12.0	✓	✓	70	110
18.5	✓	✓	110	170
29.0	✓	✓	170	265
30.0	✓	✓	265	410
30.0	✓		Fast IUoU	

Dimensions:	300 x 135 x 105 mm
Weight:	MultiPac: 1.5kg (excl. cables) MultiPacPro: 1.9kg (excl. cables)
Cooling:	Temperature-controlled fan
Input voltage:	90....255V (under 200V the output current will drop)
Efficiency:	> 86%
Power factor:	1
Output current:	MultiPac: 3, 5, 7.5, 12, 18.5, 29 and 30A MultiPacPro: 5, 7.5, 12, 18.5, 29 and 30A
Output voltage:	MultiPac: 6, 12 and 24V MultiPacPro: 6, 8, 12, 24, 36 and 48V
Minimum starting voltage:	0.1 V/cell
Battery technology:	AGM / Gel / Traditional (start en traction)

- The self-regulating charging algorithm ensures that the battery is always recharged optimally and as quickly as possible, regardless of the temperature or variation in the supply voltage (200-260V).
- There is a built-in timer that protects the battery from damage in the event of a fault. Battery problems are indicated to the user through the LED.
- Wall mounting of the MultiPac is also possible with the optional bracket and screws.
- An SB50 grey plug is fitted to the MultiPac as standard. A connecting cable with high-quality bronze clips is supplied with every MultiPac so that it can easily be connected to any battery.

