



The lightweight add-on drive for your wheelchair

Safe and unburdened on the road

SOLO

www.aat-online.de



Ideen bewegen mehr



Easygoing on your way



Experience the new generation of electrical add-on drives for wheelchairs

Enjoy long drives and live actively with your family – SOLO makes you mobile and flexible. This device does not only enrich your everyday life but it also increases your quality of life.

The SOLO's very easy converting concept transforms your manual wheelchair into a light and versatile electrical wheelchair in no time at all.

SOLO





Move easily and confidently through your daily life



Advantages that convince

- Battery range up to 35 km
- New installing and locking system for the powered wheels
- Powered wheels without stud axles

Two high-capacity motors integrated discreetly into the wheels provide the SOLO's power.

Since the SOLO can be adapted to almost all wheelchairs, you don't have to do without your familiar wheelchair adjusted to you personally.

Easy operation and high versatility make the SOLO an excellent partner for you every day.



The powered wheels without stud axles make storage particularly easy and space-saving



Easily and quickly stored

In terms of transportation the SOLO also proves its superiority. The powered wheels are easily disengaged, totally without tools. The SOLO's low weight makes loading and unloading a nearly effortless physical exercise.

Due to the new wheel installing system - without stud axles - it is possible to store the wheels next to or on top of each other. Also the SOLO can be folded and stored taking up very little room, so it fits into almost any type of trunk.

The SOLO's control unit makes easy and precise steering in confined spaces possible.





ALPHA concept — synergy of power and effortlessness



Extremely lightweight and efficient



The ALPHA concept is the measure of all things, state of the art motors in connection with the newly developed battery pack with lithium ion technology. Thus the SOLO reaches a range of up to 35 km while the battery pack merely weighs 4.2 kg.

----- **Range up to 35 km** -----



1. Unlock wheel



2. Remove wheel

Innovative technology that inspires —
assembly of the SOLO



The wheels are exchanged effortlessly and quickly.

NUI®

The newly developed installing and locking system, NUI, does not need stud wheels anymore, thus the powered wheels can be put on your wheelchair effortlessly and quickly.

Another great advantage is that the drives in the wheelchair wheels can be disengaged, so that they run freely during manual operation. Thus the physical effort for the user is not much higher than it is with original wheelchair wheels.



The SOLO is available with a lithium-ion or lead silicone battery pack.

Complete equipment and accessories — for all your wishes

The SOLO is a completely equipped electrical add-on drive for your manual wheelchair it consists of the powered wheels, the battery pack, the charger and the control unit.

Brackets for almost all types of wheelchairs are available as an accessory. In order for you to adapt the SOLO optimally to your particular requests, we offer you a wide range of practical accessories.

Accessories for the control unit



Soft ball



Special fixture for quadriplegics



Ball 40/50mm



Installing the therapy table



Palm control

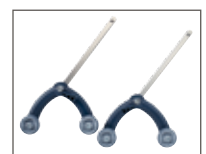


Holding device for the attendant's control unit

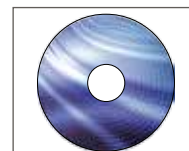
Accessories for your wheelchair



Swivel arm



Anti-tilt support



Spoke protection



Voltage transformer



Brackets for the wheelchair



Lead silicone battery pack

Groundbreaking, due to innovative technology — the SOLO convinces on all counts

At AAT it is our goal to increase mobility and independence by means of intelligent solutions. The SOLO is a prime example of this philosophy. It represents all our long-standing experience, competence and know-how in the development of powered drives for wheelchairs.

So benefit from this with an electrical accessory drive for your wheelchair that offers you numerous advantages:

- **Lithium ion battery with a range up to 35 km**
- **NUI – novel mounting and locking system for the powered wheels**
- **Powered wheels without stud axles**
- **ALPHA concept, a combination of lithium ion battery technology and state-of-the-art electric motors**
- **Adjustable speed up to 6 km/h**
- **Individual mounting to almost all types of commercially available wheelchairs**
- **Particularly space-saving and easy to transport and store**
- **Lightweight, compact and manoeuvrable**
- **Classes of application A, B**

solo_gb_03_2013 (5.1)



CE The SOLO coincides with the guidelines of the European Union 2006/42/EG, 2007/47/EG and 93/42/EG.

In the interest of progress we reserve the right for technical changes



The company AAT Alber Antriebstechnik is a member of the QVH and has been awarded the quality stamp according to the inspection of quality standards for medical vehicles.

AAT is certified according to DIN EN ISO 9001:2008 and EN ISO 13485:2003 + AC:2007.

Technical data

Total weight approved	210 kg ⁽¹⁾ (person, wheelchair, SOLO)
Max. weight of the person	160 kg
Possible wheel sizes	24"
Speed Forward backward	adjustable 6 km/h 3 km/h
Range with one charge of the batteries	up to 35 km ⁽²⁾ (up to 12 km ⁽²⁾ , ⁽⁴⁾)
Braking-/climbing capacity	up to 20% ⁽³⁾
Batteries	28,8 V / 16 Ah (24 V / 8,5 Ah ⁽⁴⁾)
Direct current motor	2 x 28,8 V / 150 W
Weight, powered wheels	9,0 kg each
Weight, battery pack	4,2 kg (5,8 kg ⁽⁴⁾)
Weight, control unit	0,4 kg
Weight, bag for battery pack	0,2 kg
Weight, interface	0,1 kg
Total weight	22,9 kg (24,5 kg ⁽⁴⁾)
Class of application	A, B

(1) Observe the maximum load according to the wheelchair manufacturer's stipulations.

(2) According to ISO 7176-4, the range depends on the person's weight, the underground, the territory, the temperature, etc.

(3) At an approved weight of 120 kg, the braking - / climbing capacity also depends on the underground, the territory, the temperature, etc.

(4) Version with lead silicone battery pack.



Ideen bewegen mehr

AAT Alber Antriebstechnik GmbH
Postfach 10 05 60 · D-72426 Albstadt

Tel.: +49.74 31.12 95- 0 · Fax: 12 95-35
info@aat-online.de · www.aat-online.de