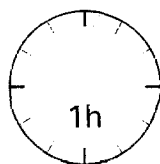
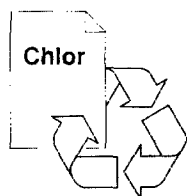


AL 60 DV



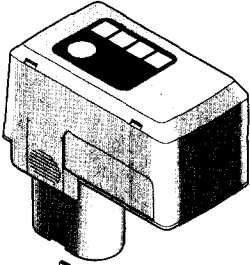
D	2....3
GB	4....5
F	6....7
E	8....9
P	10...11
I	12...13
NL	14...15
DK	16...17
S	18...19
N	20...21
FIN	22...23
GR	24...25
TR	26...27



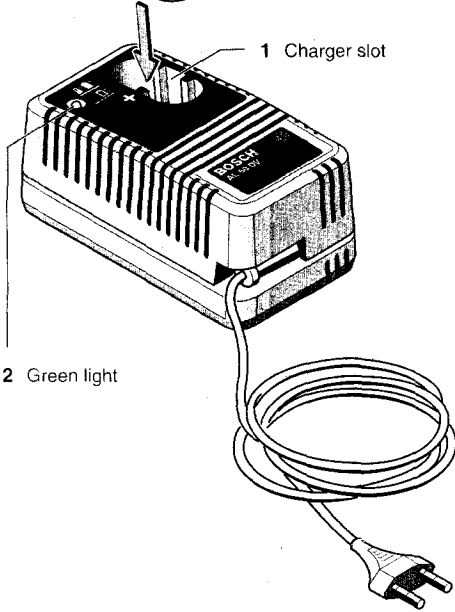
BOSCH

Operating controls

GB



1 Charger slot



2 Green light

Not all of the accessories illustrated or described are included as standard delivery.



For your safety



Safe operation of this machine is possible only when the operating instructions and the safety precautions are read completely and the instructions contained therein are strictly observed.



The appliance must not be damp and must not be operated in a wet environment.



Always inspect the plug and cable before use. If damaged, they must be replaced by a qualified professional.

- Charge only Bosch batteries. The appliance is only suitable for charging BOSCH NTC batteries with voltages between 7,2 V and 12 V (14,4 V).
- Ensure that the connection between the battery charger and battery is correctly positioned (coding) and is not obstructed by foreign bodies.
- Keep battery charger slot 1 free of foreign objects and protect against dirt and humidity.
- When the battery is outside the battery charger, cover battery terminals to avoid short circuits from metal objects.
- Use only original parts and accessories.

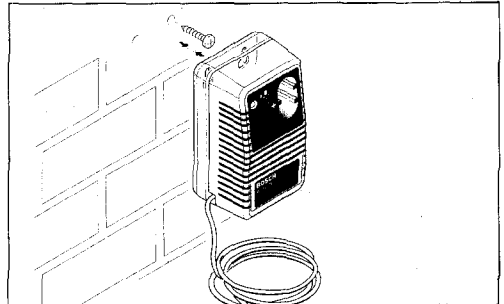
See enclosed sheet 1 609 929 150 for further safety instructions.

Before use

Always use the correct supply voltage: The voltage specifications on the rating plate must correspond with the mains voltage. Equipment marked with 230 V can also be connected to 240 V.

Wall Mounting

The battery charger can be mounted on a wall:



Product data

Battery charger	AL 60 DV	
Part number	2 607 224 278	2 607 224 228
Input voltage	230 V ≈	230 V ≈
Output voltage	7,2 - 14,4 V ≈	7,2 - 12 V =
Charging current		
● Rapid charging	1,9 A (max.)	1,4 A (max.)
● Trickle charging	80 mA	60 mA
Charging time 1,2 Ah	approx. 45 min	approx. 60 min
1,4 Ah	approx. 50 min	approx. 70 min
1,7 Ah	approx. 60 min	approx. 85 min
Degree of protection	□ / II	□ / II

Start up

The charging process begins as soon as the mains plug is inserted into the power supply socket and the battery is placed into battery charger slot 1.

The "intelligent" battery charger recognises the charged condition of the battery and switches a fully charged battery immediately to trickle charging. By means of this charging process, the battery is protected and always fully charged.



Rapid charging is only possible when the temperature of the battery is between 0 °C and 50 °C.

- A new battery-operated BOSCH tool or one which has not been used for an extended period achieves full performance only after five charging and discharging cycles.
- A substantial drop in operating period per charge indicates that the battery must be replaced.

Indicators, symbols and meaning

The charging process is indicated by green light 2.

Continuous green light



Battery not inserted, mains voltage is on:

Continuous green light



Battery inserted, the battery charger is only delivering a trickle charge because the battery is already fully charged.

or ... Battery inserted, the battery charger is only delivering a trickle charge because the battery is too hot (or too cold). The battery charger automatically switches to rapid charging when a suitable temperature is reached.

Flashing green light



Rapid charging operates until the battery is fully recharged. The battery charger then automatically switches to trickle charging.

Lamps do not light up



No mains voltage; mains socket, mains cable or battery charger defective.

Information on environmental protection



Do not open battery.

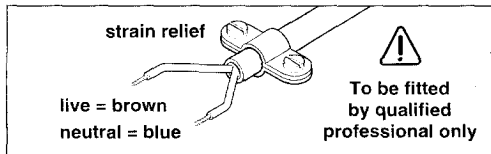
Do not dispose of used battery with household waste or throw into fire or water.

BOSCH offers an environment friendly battery disposal service:

Defective batteries are sent off to undergo a complete recycling process. Return via dealers or BOSCH customer service.

WARNING! Important instructions for connecting a new 3-pin plug to the 2 wire cable.

The wires in the cable are coloured according to the following code:



Do **not** connect the blue or brown wire to the earth terminal of the plug.

Important: If for any reason the plug is cut off of the cable of this machine, it must be disposed of safely and not left unattended.

(AUS) Only: If the supply cord of this battery charger is damaged, a special cord supplied by the manufacturer must be obtained and fitted. Spare No. 1 614 460 037.

Warranty and service

In accordance with statutory regulations, we provide a warranty against material and manufacturing defects for all BOSCH equipment.

For all correspondence and spare parts orders, always include the 10 digit order number of the machine!

☎ Service Great Britain:(08 95) 83 86 21
FAX:(08 95) 83 87 89
☎ Service Rep. of Ireland:(01) 45 15 211
FAX:(01) 45 17 127

CE Declaration of conformity

We declare under our sole responsibility that this product is in conformity with the following standards or standardization documents. EN 50 144, EN 55 014 (Battery powered tools) and EN 60 335, EN 55 014 or EN 55 011, EN 60 555 (Battery charger) according to the provisions of the regulations 73/23/EEC, 89/336/EEC, 89/392/EEC.

CE 94

Dr. Eckerhard Strötgen

Dr. Alfred Odendahl

Robert Bosch GmbH
Geschäftsbereich Elektrowerkzeuge

BOSCH



Robert Bosch GmbH
Geschäftsbereich Elektrowerkzeuge
D-70745 Leinfelden-Echterdingen

SCINTILLA AG
CH-4501 Solothurn/Schweiz

2 609 931 413 **CE**
Printed in Switzerland - Imprimé en Suisse