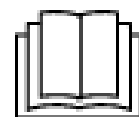


# Professional

## GAL 18V6-80



Powered by



## Sigurnosne napomene



**Treba pročitati sve sigurnosne napomene i upute.** Propusti do kojih može doći uslijed nepridržavanja sigurnosnih

napomena i uputa mogu uzrokovati električni udar, požar i/ili teške ozljede.

**Dobro čuvajte ove upute.**

Punjač koristite samo ako su sve njegove funkcije potpuno ispravne i ako se mogu provesti bez ograničenja ili ako se pridržavate odgovarajućih uputa.

- ▶ **Ovaj punjač ne smiju koristiti djeca i osobe s ograničenim fizičkim, osjetilnim i mentalnim sposobnostima ili nedostatnim iskustvom i znanjem. Ovaj punjač smiju koristiti djeca starija od 8 godina i osobe s ograničenim fizičkim, osjetilnim ili mentalnim sposobnostima ili osobe s nedostatnim iskustvom i znanjem ako ih nadzire osoba odgovorna za njihovu sigurnost i ako ih uputi u sigurno rukovanje i opasnosti povezane s rukovanjem punjača.** U suprotnom postoji opasnost od pogrešnog rukovanja i ozljeda.
- ▶ **Djeca moraju biti pod nadzorom prilikom korištenja, čišćenja i održavanja.** Na taj način ćete osigurati da se djeca ne igraju s punjačem.
- ▶ **Punite samo Bosch litij-ionske aku-baterije ili aku-baterije AMPShare partnera kapaciteta od najmanje 1,3 Ah. Napon aku-baterije mora odgovarati naponu punjača aku-baterija. Ne punite aku-baterije koje se ponovno ne mogu puniti.** U suprotnom postoji opasnost od požara i eksplozije.



**Punjač koristite samo u zatvorenom prostoru i držite ga dalje od vlage.** Prodiranje vode u punjač povećava opasnost od električnog udara.

- ▶ **Punjač održavajte čistim.** Zbog nečistoće postoji opasnost od električnog udara.
- ▶ **Prije svake uporabe provjerite punjač uklj. kabel i utikač.** Punjač ne koristite ako ste ustanovili oštećenja. Punjač ne otvarajte sami i popravak prepustite samo Bosch ili ovlaštenim servisima i samo s originalnim rezervnim dijelovima. Oštećeni punjači, kabel i utikač povećavaju opasnost od električnog udara.
- ▶ **Ne radite punjačem na lako zapaljivoj podlozi (npr. papir, tekstil itd.) odn. u zapaljivoj okolini.** Zbog zagrijavanja punjača pri punjenju postoji opasnost od požara.
- ▶ **Ne prekrivajte otvore za hlađenje punjača.** U suprotnom se punjač može pregrijati i neće više ispravno raditi.
- ▶ **Akumulatorsku bateriju puniti isključivo punjačima koje preporučuje proizvođač.** Ako punjač predviđen za

jednu određenu vrstu kompleta baterija rabite s drugim kompletom baterija, postoji opasnost od požara.

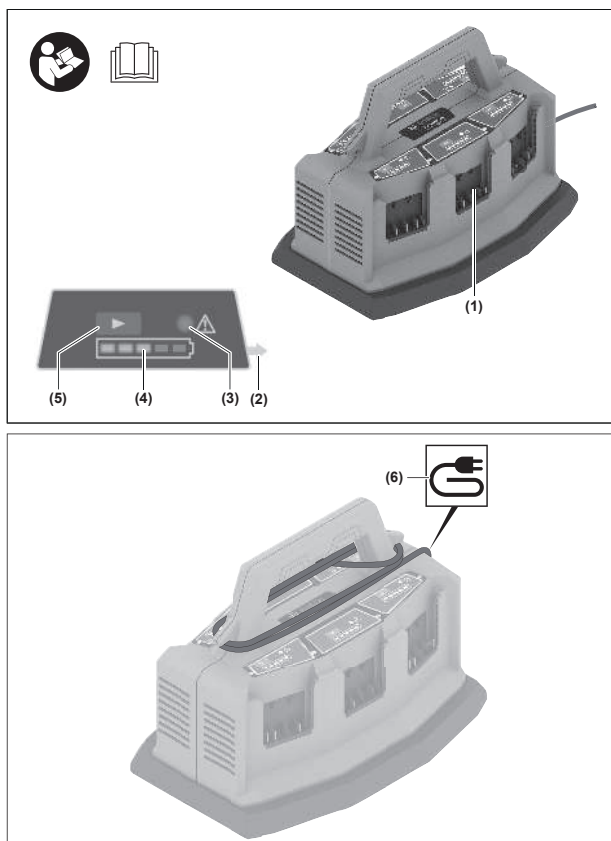
- ▶ **U slučaju oštećenja i nestručne uporabe aku-baterije mogu se pojaviti čak i pare.** Dovedite svježi zrak i u slučaju poteškoća zatražite pomoć liječnika. Pare mogu nadražiti dišne puteve.
- ▶ **Kod pogrešne primjene iz baterije može isteći tekućina. Izbjegavajte kontakt s ovom tekućinom. Kod slučajnog kontakta zahvaćeno mjesto treba isprati vodom. Ako vam tekućina uđe u oči, zatražite pomoć liječnika.** Tekućina istekla iz baterije može uzrokovati nadraženost kože i opekline.

## Opis proizvoda i funkcija

### Namjenska uporaba

Punjač je namijenjen za punjenje **Bosch** AMPShare litij-ionskih aku-baterija koje se mogu ponovno puniti ili onih AMPShare partnera.

### Prikazani dijelovi alata



- (1) Otvor za punjenje
- (2) Strelica za redosljed punjenja
- (3) Crveni pokazivač nadzora temperature/smetnje
- (4) Zeleni pokazivač stanja napunjenosti
- (5) Tipka Prio
- (6) Namotaj kabela

## Tehnički podaci

| Punjač                                                        | GAL 18V6-80 |
|---------------------------------------------------------------|-------------|
| Klasa zaštite                                                 | □ / II      |
| Struja punjenja <sup>A)</sup>                                 | 8,0 A       |
| Napon punjenja aku-baterija (automatsko prepoznavanje napona) | 18 V        |
| Težina <sup>B)</sup>                                          | 1,8 kg      |

A) Ovisno o temperaturi i tipu aku-baterije

B) Težina bez mrežnog priključnog voda i bez mrežnog utikača

Vrijednosti se mogu razlikovati ovisno o proizvodu i ovise o uvjetima primjene i okoline. Dodatne informacije na

[www.bosch-professional.com/wac](http://www.bosch-professional.com/wac).

## Punjenje

- ▶ **Pridržavajte se mrežnog napona!** Napon izvora struje mora se podudarati s podacima na tipskoj pločici punjača.

❶ Provjerite da na svim otvorima za punjenje **(1)** i kontaktima aku-baterije nema krupne prljavštine.

Provjerite jesu li sve aku-baterije umetnute do kraja.

Proces punjenja počinje kada je utaknut mrežni utikač i kada je umetnuta jedna aku-baterija. Ako proces punjenja istovremeno počinje s više aku-baterija, one će se uzastopno puniti u smjeru otisnute strelice **(2)** (u smjeru suprotnom od kazaljke na satu).

Aku-baterije uzastopno se pune u 2 ciklusa punjenja.

- U prvom ciklusu punjenja pune se sve umetnute aku-baterije do oko 80 % kapaciteta.
- U drugom ciklusu punjenja vrši se punjenje od oko 80 % dok aku-baterija ne bude potpuno napunjena. Drugi ciklus punjenja počinje kada su sve umetnute aku-baterije napunjene na oko 80 %.

Ako je stanje napunjenosti aku-baterije preko 80 %, ona će se preskočiti u prvom ciklusu punjenja i punit će se u drugom ciklusu punjenja do potpunog stanja napunjenosti. Ako tijekom drugog ciklusa punjenja umetnete novu aku-bateriju čije je stanje napunjenosti ispod 80 %, onda će se ona odmah puniti. Nakon što je ova aku-baterija napunjena do oko 80 %, ponovno se definira redoslijed punjenja. Sljedeća aku-baterija, koja se puni u drugom ciklusu punjenja, prati redoslijed strelica **(2)** na punjaču (u smjeru suprotnom od kazaljke na satu).

❶ Proces punjenja je moguć samo ako je temperatura aku-baterije u dopuštenom području temperature punjenja (0–45 °C).

Inteligentnim procesima punjenja se automatski prepoznaje stanje napunjenosti aku-baterije i ovisno o temperaturi aku-baterije i napona aku-baterije puni se optimalnom strujom punjenja.

Bitno skraćivanje vremena rada nakon punjenja pokazuje da je aku-baterija istrošena i da je treba zamijeniti.

Kod kontinuiranih, odnosno višekratno uzastopnih ciklusa punjenja bez prekida, punjač bi se mogao zagrijati. To nije opasno i ne ukazuje na tehnički kvar punjača.

## Tipka Prio (Priority Start)



Uz svaki otvor za punjenje **(1)** nalazi se tipka Prio **(5)** za trenutno pokretanje procesa punjenja u tom otvoru za punjenje.

- Nakon **jednstrukog pritiska** na tipku Prio **(5)** aku-baterija u tom otvoru za punjenje ima prioritet i puni se do oko 80 % svog kapaciteta (prvi ciklus punjenja). Za pokretanje procesa punjenja kratko zasvijetle prve 4 LED diode pokazivača stanja napunjenosti aku-baterije **(4)**. Kada je aku-baterija napunjena do oko 80 %, puni se sljedeća aku-baterija u smjeru strelice **(2)** (u smjeru suprotnom od kazaljke na satu).
- Nakon **dvostrukog pritiska** na tipku Prio **(5)** aku-baterija u tom otvoru za punjenje ima prioritet i puni se do potpunog stanja napunjenosti. Za pokretanje procesa punjenja kratko zasvijetle 5 LED diodi pokazivača stanja napunjenosti aku-baterije **(4)**. Po završetku ovog procesa punjenja druge aku-baterije dalje se pune do oko 80 %.

Ako je jedna aku-baterija s prioritetom potpuno napunjena, puni se aku-baterija u sljedećem otvoru za punjenje. Redoslijed punjenja je u smjeru otisnutih strelica **(2)** na punjaču (u smjeru suprotnom od kazaljke na satu).

## Značenje elemenata pokazivača

### Zeleni pokazivač stanja napunjenosti

Pri umetanju aku-baterije pripadajući zeleni pokazivač stanja napunjenosti aku-baterije **(4)** pokazuje stanje napunjenosti aku-baterije. Treperenje pokazivača stanja napunjenosti **(4)** signalizira proces punjenja. Stalno svjetlo pokazuje stanje napunjenosti aku-baterije.





81–99 %



Potpuno napunjena

## Stalno svijetli crveni pokazivač nadzora temperature



Stalno svjetlo crvenog pokazivača (3) signalizira da je temperatura aku-baterije izvan dopuštenog područja temperature punjenja (0–45 °C). Čim se dosegne dopušteno područje temperature, počinje proces punjenja.

## Treperi crveni pokazivač smetnje



Treptajuće svjetlo crvenog pokazivača (3) signalizira da je aku-baterija u tom otvoru za punjenje neispravna.

6 istovremeno crveno treptajućih svjetala signaliziraju da je punjač neispravan.

## Uklanjanje pogreške

### Aku-baterija se ne puni

**Nijedna aku-baterija se ne puni i svih šest pokazivača (3) istovremeno trepere crveno.**

**Uzrok:** Punjač je otkrio internu smetnju

**Pomoć:** Provjerite jesu li sve aku-baterije umetnute do kraja. Izvucite i ponovno utaknite mrežni utikač. Ako se smetnja ponovno pojavi, po potrebi odnesite punjač na ispitivanje ovlaštenom servisu za **Bosch** električne alate.



**Aku-baterija se ne puni i pokazivač (3) treperi crveno (pojedinačno na otvoru za punjenje).**

**Uzrok:** Aku-baterija nije ispravno utaknuta

**Pomoć:** Ispravno umetnite aku-bateriju u punjač.

**Uzrok:** Aku-baterija i kontakti za punjenje su zaprljani

**Pomoć:** Izvucite mrežni utikač i očistite kontakte aku-baterije i kontakte za punjenje (obrišite).

**Uzrok:** Neispravna aku-baterija

**Pomoć:** Zamijenite aku-bateriju.



**Aku-baterija se ne puni i pokazivač (3) svijetli crveno.**

**Uzrok:** Temperatura aku-baterije je izvan dopuštenog područja temperature punjenja.

**Pomoć:** Pričekajte da se temperatura aku-baterije vrati unutar dopuštenog raspona temperature punjenja (0–45 °C).

## Pokazivači ne svijetle

**Pokazivač ne svijetli, aku-baterija se ne puni.**

**Uzrok:** Neispravna utičnica, neispravni mrežni kabel ili punjač

**Pomoć:** Provjerite je li punjač utaknut u prikladnu i funkcionalnu utičnicu. Ako se smetnja ponovno pojavi, po potrebi odnesite punjač na ispitivanje ovlaštenom servisu.

**Uzrok:** Mrežni utikač punjača nije (ispravno) utaknut

**Pomoć:** Utaknite mrežni utikač (do kraja) u utičnicu.

## Održavanje i servisiranje

### Održavanje i čišćenje

Ako je potrebna zamjena priključnog kabela, tada je treba provesti u **Bosch** servisu ili u ovlaštenom servisu za **Bosch** električne alate kako bi se izbjeglo ugrožavanje sigurnosti.

## Servisna služba i savjeti o uporabi

### Hrvatski

Tel.: +385 12 958 051

U slučaju upita ili naručivanja rezervnih dijelova, molimo vas obavezno navedite 10-znamenkasti kataloški broj s tipske pločice proizvoda.

## Zbrinjavanje

Punjače, pribor i ambalažu treba dovesti na ekološki prihvatljivo recikliranje.



Punjače ne bacajte u kućni otpad!

## Samo za zemlje EU:

Električni i elektronski uređaji koji više nisu uporabivi, moraju se odvojene sakupljati i zbrinuti na ekološki prihvatljiv način. Koristite predviđene sustave prikupljanja otpada. Nepravilno zbrinjavanje može biti štetno za okoliš i zdravlje zbog opasnih tvari koje može sadržavati.

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### 1.1 Name : MSP SDK

Version : 2.01.00.03

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### 1.2 Name : ARM\_CMSIS\_5

Version : 5.7.0

License : Apache-2.0

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