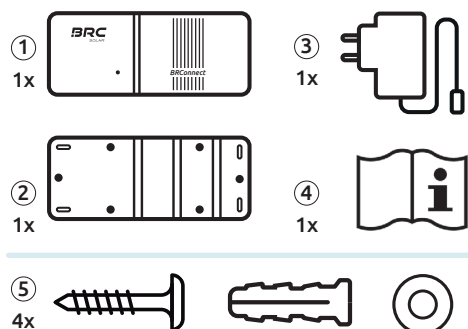


Upute za uporabu BRConnect Gateway

Instruction manual BRConnect Gateway

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1. SADRŽAJ PAKETA / SCOPE OF DELIVERY



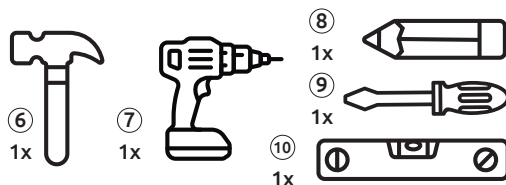
Sadržaj paketa

- ① BRConnect ② Zidni nosač
- ③ Napajanje ④ Upute za uporabu
- ⑤ Komplet za montažu

Scope of supply

- ① BRConnect ② Wall mount
- ③ Power supply ④ Instruction manual
- ⑤ Mounting kit

Potrebni alat / Required tools



Radni pribor / Operating accessories



Potrebni alat i pribor

- ⑥ Čekić ⑦ Bušilica ⑧ Olovka
- ⑨ Odvijač s Torx T20 ⑩ Libela
- ⑪ Ethernet kabel ⑫ 230V utičnica

Required tools & accessories

- ⑥ Hammer ⑦ Drill ⑧ Pencil
- ⑨ Torx T20 screwdriver ⑩ Spirit level
- ⑪ Ethernet cable ⑫ 230V socket

DOSTUPNI JEZICI NA NAŠOJ WEB STRANICI /
ADDITIONAL LANGUAGES AVAILABLE ON OUR WEBSITE
WEBSITE WWW.BRC-SOLAR.DE



2. SIGURNOSNE UPUTE / SAFETY INSTRUCTIONS

A) OPĆENITO

- BRConnect se smije koristiti samo u skladu s namjenskom uporabom i specificiranim tehničkim podacima.
- Molimo vas da se pridržavate svih uputa navedenih u uputama za uporabu tvrtke BRC Solar GmbH, kao i upozorenja na uređaju BRConnect. Upozorenja na BRConnect moraju uvijek biti čitljiva i ne smiju se uklanjati, mijenjati ili manipulirati.
- Važeći lokalni zakoni, propisi, smjernice i norme moraju se prvenstveno poštovati tijekom rada, instalacije, deinstalacije i održavanja. Sigurnosne upute u priručniku nisu potpune i služe samo kao dopuna.

B) KVALIFICIRANI ELEKTRIČARI

- Sve radove povezane s proizvodom smiju izvoditi samo kvalificirani električari. Električar mora poštovati nacionalne i regionalne propise.
- Molimo vas da prije instalacije pažljivo pročitate sve upute i pridržavate ih se. Ako postoje nejasnoće ili trebate detaljne informacije, nazovite našu servisnu liniju.
- Električni radovi smiju se izvoditi samo uz poštivanje 5 sigurnosnih pravila elektrotehnike.
- Instalirajte isključivo ispravan BRConnect s kompletnim sadržajem paketa. Koristite isključivo pribor koji je uključen u paket – posebno s obzirom na napajanje.
- Nemojte vršiti nikakve modifikacije na uređaju BRConnect.
- Posebno pazite da tijekom montaže provodite strujne kabele bez napona kroz BRConnect kako biste spriječili strujne udare.

C) KRAJNI KORISNIK

- Ni pod kojim uvjetima nemojte samostalno raditi na uređaju BRConnect.
- Nemojte otvarati kućište.
- Molimo vas da sačuvate upute za uporabu kako bi bile dostupne za sve aktivnosti povezane s proizvodom.

2. SIGURNOSNE UPUTE / SAFETY INSTRUCTIONS

A) GENERAL

- The BRConnect may only be operated in accordance with the intended use and the specified technical data.
- Please note all instructions from BRC Solar GmbH given in the instruction manual as well as the warning notices on the BRConnect. The warning notices on the BRConnect must always be clearly legible and must not be removed, changed or manipulated.
- Applicable local laws, regulations, directives and standards must be given priority for operation, installation, uninstallation and maintenance. The safety instructions in the instruction manual are not complete and only serve as supplementary information.

B) ELECTRICAL SPECIALISTS

- All work related to the product may only be carried out by qualified electricians. The electrician must comply with national and regional regulations.
- Please read and follow all instructions carefully before installation. If there are any uncertainties or you need detailed information call our service hotline.
- Electrical work may only be carried out in compliance with the 5 safety rules of electrical engineering.
- Only install an intact BRConnect with a complete scope of delivery. Only use the accessories included in the delivery - especially with regard to the power supply.
- Do not make any modifications to the BRConnect.
- Pay particular attention to running voltage-free string cables through the BRConnect during assembly to prevent electric shocks.

C) END USER

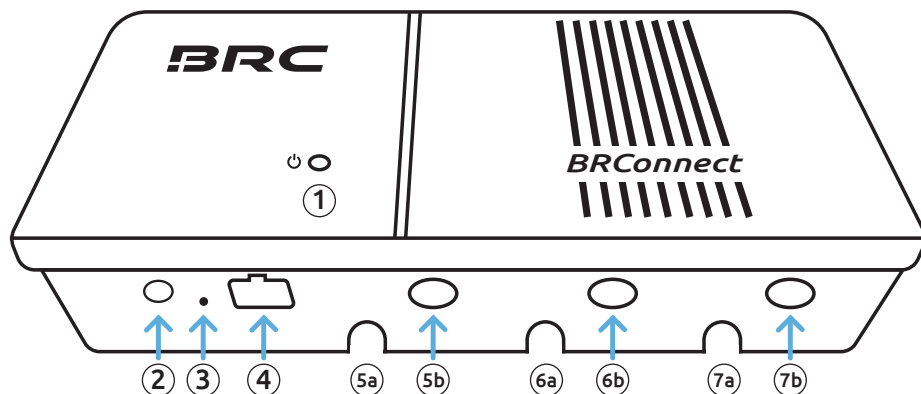
- Under no circumstances should you carry out any work on the BRConnect yourself.
- Do not open the housing.
- Please keep the instruction manual so that it is available for all activities related to the product.

3. PREGLED PROIZVODA / PRODUCT OVERVIEW

A) KONSTRUKCIJA / ASSEMBLY

HR

EN



- ① LED / LED
- ② 24V DC priključ / 24V DC connection
- ③ Tipka za resetiranje / reset button
- ④ LAN Ethernet utičnica / Lan ethernet socket
- ⑤ Provod kabela kroz strujni krug 1 / cable bushing of string 1
- ⑤a S1- Strujni krug - / string -
- ⑤b S1+ Strujni krug + / string +
- ⑥ Provod kabela kroz strujni krug 2 / cable bushing of string 2
- ⑥a S2- Strujni krug - / string -
- ⑥b S2+ Strujni krug + / string +
- ⑦ Provod kabela kroz strujni krug 3 / cable bushing of string 3
- ⑦a S3- Strujni krug - / string -
- ⑦b S3+ Strujni krug + / string +

B) NAMJENSKA UPORABA

HR

- BRConnect je pristupnik koji u kombinaciji s M600-M i BRC Power Managerom služi za praćenje podataka fotonaponskog sustava na razini modula. Podaci iz M600-M prenose se putem Powerline komunikacije preko DC kabela do BRConnect, gdje se obrađuju. Krajnji korisnik može pregledati te podatke putem aplikacije BRC Power Manager, što omogućuje nadzor fotonaponskog sustava.
- Za namjensku uporabu proizvoda potrebna je fiksna instalacija, koju prema objašnjenjima u točki 4 mora izvesti kvalificirani električar.
- Molimo vas da prilikom postavljanja BRConnecta obratite pažnju na pridržavanje specificiranih tehničkih podataka. Posebno obratite pažnju na sljedeće upute:
 - BRConnect ima stupanj zaštite IP40 i stoga je namijenjen za uporabu u zatvorenom prostoru. Držite uređaj podalje od tekućina, vlage i izvora topline, kao i izravne sunčeve svjetlosti.
 - Proizvod je dizajniran za rad pri okolnim temperaturama od -20°C do +55°C.
 - Proizvod je odobren samo za rad do 2.000 metara nadmorske visine.
- BRConnect ima Ethernet i WLAN sučelja za pružanje podataka BRC Power Manageru.

WLAN-Standard	WiFi 4; 802.11n
WLAN-Frekvencijski raspon	2,4 GHz

- Falls der Gebrauch von der hier erläuterten Verwendung abweicht, gilt dies als nicht bestimmungsgemäß. Der Hersteller übernimmt keine Haftung für Schäden, die durch nicht bestimmungsgemäßen Gebrauch entstanden sind. Es gelten die Angaben der eingeschränkten Produktgarantie (<https://brc-solar.de/downloads/>).

B) INTENDED USE

EN

- The BRConnect is a gateway which, in combination with the M600-M and the BRC Power Manager, is used for data monitoring of the photovoltaic system at module level. Data from the M600-M is communicated to the BRConnect using powerline communication via DC cables and processed there. The end user can view this data via the BRC Power Manager App, making it possible to monitor the photovoltaic system.
- In order to use the product as intended, a fixed installation is required, which must be carried out by a qualified electrician in accordance with the explanations under point 4.
- When setting up the BRConnect, please ensure compliance with the specified technical data. Pay particular attention to the following information:
 - The BRConnect is rated protection class IP40 and is therefore intended for indoor use. Please keep the device away from liquids, humidity and heat sources as well as direct sunlight.
 - The product is designed for operation at ambient temperatures of - 20°C to + 55°C.
 - The product is only approved for operation up to 2,000m above sea level.
- The BRConnect has Ethernet and WiFi interfaces to provide the data to the BRC Power Manager.

WiFi standard	WiFi 4; 802.11n
WiFi frequency range	2.4 GHz

- If the use deviates from the use explained here, this is considered improper use. The manufacturer assumes no liability for damage caused by improper use. The information in the limited product warranty applies (<https://brc-solar.de/downloads/>).

LED Signal / LED signal

Objašnjenje / Explanation

Ne svijetli / no light



BRConnect nema napajanje ili je neispravan, provjerite napajanje. U suprotnom, obratite se podršci. /

BRConnect has no power supply or is defective, check **power supply**. Otherwise contact support hotline.

Svijetli plavo / lights up blue



Vidljivo odmah nakon pokretanja (oko 7-8 sekundi), zatim prelazi u način Bluetooth povezivanja i nakon uspješnog postavljanja putem aplikacije Power Manager vraća se u normalno stanje. /

Visible immediately after starting (approx. 7-8 sec), then switches to Bluetooth connection mode and can be seen again as **normal state** after successful setup via Power Manager App.

Polako treperi plavo / slowly flashes blue



Čekanje na Bluetooth vezu s mobitelom/tabletom. Otvorite aplikaciju Power Manager i slijedite upute u aplikaciji (vidi stranicu 8) do koraka 6. Sada se traži BRConnect = Frekvencija treptanja 1 sekunda uključeno, 1 sekunda isključeno. /

Waiting for Bluetooth connection with mobile phone/tablet. Open Power Manager App, follow the app instructions (see page 8) up to step 6.

Now the search for BRConnect is running = flashing frequency 1 second on, 1 second off.

Svijetli zeleno / lights up green



Bluetooth veza s mobitelom/tabletom je uspostavljena. Postavite informacije o nizu u aplikaciji Power Manager. Unesite IP adresu i postavke WLAN-a putem aplikacije Power Manager ili priključite Ethernet kabel. /

Bluetooth connection with mobile phone/tablet established. Set string information in Power Manager App. Enter the IP address and WiFi settings via the Power Manager App or plug in the Ethernet cable.

Polako treperi zeleno / slowly flashes green



Uspostavlja se veza s lokalnom mrežom (nije potrebna nikakva radnja, ako stanje potraje, provjerite lokalnu mrežnu vezu) = Frekvencija treptanja 1 sekunda uključeno, 1 sekunda isključeno. /

Establishing connection to local network (no action necessary, check local network connection if the status persists) = flashing frequency 1 second on, 1 second off.

Brzo treperi zeleno / quickly flashes green



Mrežna veza je aktivna, uspostavlja se veza s cloudom (nije potrebna nikakva radnja, ako stanje potraje, provjerite internetsku vezu) = Frekvencija treptanja 200 ms uključeno, 200 ms isključeno. /

Network connection active, establishing connection to cloud (no action necessary, check internet connection if the status persists) = flashing frequency 200ms on, 200ms off.

Svijetli žuto / lights up yellow



Upozorenje, funkcionalnost je ograničena, molimo odvojite BRConnect od napajanja i ponovno ga priključite za ponovno pokretanje. Ako signal ostane, molimo kontaktirajte podršku. /

Warning, functionality limited, please disconnect BRConnect from the power supply and reconnect it to restart. If the signal persists, please contact support.

Svijetli crveno / lights up red

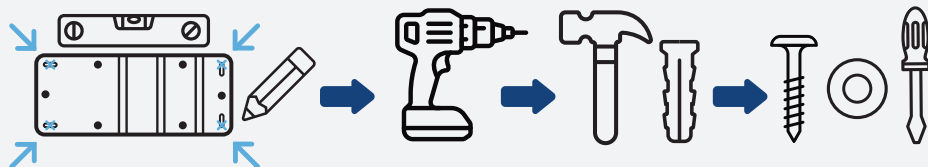


Greška, BRConnect je možda neispravan. Molimo odvojite BRConnect od napajanja i ponovno ga priključite za ponovno pokretanje. Ako signal ostane, molimo kontaktirajte podršku. /

Error, BRConnect may be defective. Please disconnect BRConnect from the power supply and reconnect it to restart. If the signal persists, please contact support.

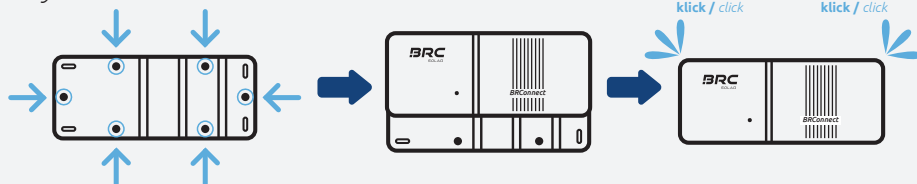
- 1 Postavite zidni nosač:** Označite položaj olovkom i libelom, izbušite 4 rupe (veličine 6 mm) i umetnite 4 tiple, montirajte zidni nosač s 4 vijka, podloške i odvijačem.

Attach the wall mount: Mark the position with a pencil and spirit level, drill 4 holes (size 6mm) and sink 4 dowel pins, mount the wall mount with 4 screws, washers and a screwdriver.



- 2 Pričvrstite BRConnect na predviđene igle zidnog nosača:** Za to pritisnite ravnomjerno s obje strane dok ne čujete klik.

Clip BRConnect onto the designated pins of the wall mount: To do this, press evenly on both sides until you hear a click.



- 3 Provedite strujni kabel kroz kabelsku uvodnicu:** Pazite da strujni kabel bude bez napona prilikom provođenja.

⚠ Obratite pažnju na ispravan raspored priključaka strujnih kabela, inače može doći do grešaka ili nefunkcionalnosti. Da biste to učinili, zabilježite naljepnicu na vrhu i odlijepite je.

Spožite strujni kabel na pretvarač s odvojenim DC prekidačem: Pazite na ispravnu polarizaciju.

Spožite strujni kabel s fotonaponskim sustavom, zatim uključite pretvarač na DC strani.

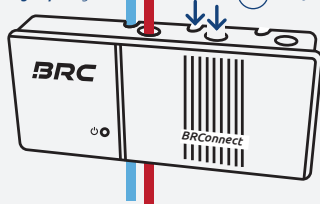
Pass string cable through cable bushing: Make sure that the string cable is voltage-free when passing through.

⚠ Pay attention to the correct connection arrangement of the string cables, otherwise errors or inoperability may occur. Note the sticker on the top and peel it off.

Connect the string cable to the inverter with DC-switch off: Pay attention to correct polarity.

Connect the string cable to the PV system, then switch on the DC-side of the inverter.

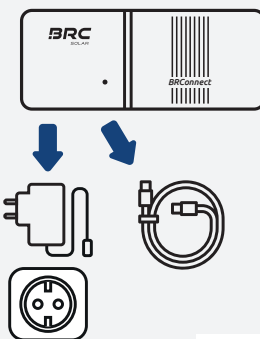
S1+ Strujni krug 1 + / string 1 +
S1- Strujni krug 1 - / string 1 -
S2+ Strujni krug 2 + / string 2 +
S2- Strujni krug 2 - / string 2 -



- 4 Spožite 24V i Ethernet kabel:**

BRConnect LED kratko svijetli plavo, zatim polako treperi plavo i čeka Bluetooth vezu.

Connect 24V and Ethernet: BRConnect LED lights up briefly in blue, then flashes slowly in blue and waits for Bluetooth connection.



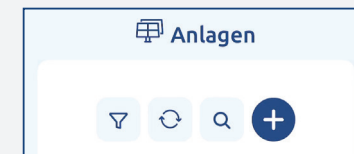
Video upute za montažu i postavljanje aplikacije
Video instructions for assembly and app setup



- 1 Instalirajte aplikaciju:** Dostupno putem App Storea i Play Storea. / **Install App:** Available on App Store and Play Store.

- 2** Registrirajte se, prijavite se i kliknite na + kliknite za postavljanje novog sustava, za to je potrebna internetska veza. / **Register, log in, and click the plus symbol to set up a new plant.** Internet connection is required for this.

- 3** Ispunite opće podatke i informacije o vlasniku. / **Fill in general information and owner information.**



Allgemeine Angaben Anlagenname* Alias Name* Straße*	Eigentümer hat der Datenschutzerklärung zugestimmt* Eigentümer der Anlage Kaufnummer E-Mail
---	---

- 4** Unesite podatke o solarnom modulu i pretvaraču te odaberite je li integriran sustav za pohranu baterija ili punionica za električna vozila. / **Enter solar module and inverter data and select whether a battery storage or a wallbox is integrated.**

Komponenten Solarmodul Hersteller* Typ* Wechselrichter Hersteller* Typ*	Batteriespeicher Ist ein Batteriespeicher vorhanden? ☐ Ja ☐ Nein Hersteller* Typ* Kapazität in kWh Wallbox Ist eine Wallbox vorhanden? ☐ Ja ☐ Nein
--	--

- 5** Odaberite "Staviti u pogon" za nastavak postavljanja ili "Spremi i postavi kasnije". / **Select Start configuration to continue the setup, or Save & configure later.**

Möchtest du die Anlage sofort in Betrieb nehmen?

In Betrieb nehmen

Speichern & Später einrichten

⚠ Optimizatori moraju biti već ugrađeni, a BRConnect napajan za daljnje postavljanje. / **The optimizers must already be installed, and the BRConnect must be powered for further setup.**

- 6** Nakon pokretanja, BRConnect automatski čeka Bluetooth vezu. U aplikaciji odaberite i povežite BRConnect. / **BRConnect automatically waits for Bluetooth connection after starting. Select the BRConnect via the app and connect.**

BRConnect verbinden Suche nach BRConnect läuft Stelle sicher, dass dein BRConnect mit Strom versorgt wird und die LED blau blinkt (Bluetooth-Kopplungsmodus ist aktiviert). Wenn die LED nicht blau blinkt, starte dein BRConnect neu (Netzteil aus- und wieder einstecken, damit dein BRConnect wieder den Bluetooth-Kopplungsmodus aktiviert).	BRConnect gefunden Fast geschafft: Verbindung läuft... BRConnect: 3F48TPYXFW41US Verbinden
---	---

- 7 Navedite koliko je optimizatora (M600-M) povezano po strujnom krugu./ Enter *how many optimizers (M600-M) are connected per string.*

- 8 Povežite BRConnect s internetom putem WLAN-a ili Ethernet-a, aplikacija sada traži dostupne optimizatore. / Connect the BRConnect to the internet via *WiFi or Ethernet.* The app will then search for the *available optimizers.*

- 9 Pomoću funkcije povuci i ispusti (drag & drop) izradite plan strujnog kruga i postavite optimizatore./ Create a string plan using *drag & drop* and place the optimizers.

- 10 Uspješno dovršeno postavljanje / Successful *completion of the setup.*

Stringinformationen

Stringinformationen festlegen

Bitte gib an, wie viele Optimierer pro String eingebaut werden.

Anzahl Optimierer in String 1

Anzahl Optimierer in String 2

Anzahl Optimierer in String 3

Netzwerk

Netzwerkeinstellungen festlegen

Bitte hinterlege die Netzwerkeinstellungen und WLAN-Konfiguration für dein BRConnect.

☒ IP Adresse automatisch beziehen

☐ Folgende IP Adresse verwenden:

WLAN-Konfiguration

WLAN SSID

WLAN Passwort

Abbrechen Weiter >

Optimierer suchen

String 1:
Optimierer: 0 von 7 gefunden

String 2:
Optimierer: 0 von 7 gefunden

String 3:
Optimierer: 0 von 7 gefunden

Suche nach Optimizern läuft

Dieser Schritt kann bis zu 10 Minuten dauern.

Erstelle den Stringplan für dein BRConnect.

Bitte erstelle den Stringplan per Drag and Drop mit Long-Klick. Eingefügte Optimierer können durch Doppeltipp wieder entfernt werden.

String 1

FFF1 AA00 FFF1 AA01 FFF1 AA02 FFF1 AA03 FFF1 AA04

Erstelle den Stringplan für dein BRConnect.

Bitte erstelle den Stringplan per Drag and Drop mit Long-Klick. Eingefügte Optimierer können durch Doppeltipp wieder entfernt werden.

String 1

FFF1 AA04 FFF1 AA05 FFF1 AA06 FFF1 AA07 FFF1 AA08

FFF1 AA00 FFF1 AA01 FFF1 AA02

FFF1 AA03

Abschluss

Geschafft!

Prima, die neue Anlage wurde fertig erstellt! Der Eigentümer hat eine Einladung per E-Mail erhalten.

Zurück zum Dashboard

6. RAD I ODRŽAVANJE

- Čistite BRConnect isključivo suhom krpom koja ne ostavlja dlačice. Nemojte koristiti sredstva za čišćenje ili otapala.
- BRConnect ne zahtijeva održavanje; u slučaju trajnih problema obratite se podršci.

7. ZAMJENA I POPRAVAK

- Radne korake za demontažu BRConnect-a treba provesti obrnutim redoslijedom od montaže (vidi poglavlje 4):
 - Isključite pretvarač na DC strani.
 - Osigurajte da su strujni kablovi bez napona.
 - Uklonite napajanje kako biste odvojili BRConnect od električnog kruga.
 - Uklonite Ethernet kabel.
 - Otpustite strujne kablove iz kablaskih uvodnica.
 - Demontirajte BRConnect tako da ga ravnomjerno i ravno odvojite od zidne ploče.
- Popravak se ne smije provoditi.

8. ZBRINJAVANJE

- Transportno pakiranje može se reciklirati putem lokalnog sustava za zbrinjavanje otpada.
- BRConnect i sve pripadajuće komponente nakon uporabe treba zbrinuti kao elektronički otpad u skladu sa zakonima koji vrijede u zemlji.

9. SUKLADNOST PROIZVODA I KONTAKT

Tvrtka BRC Solar GmbH, sa sjedištem na adresi Gehrstraße 7, D-76275 Ettlingen, izjavljuje da proizvod BRConnect, uz poštivanje uputa za instalaciju i namjensku uporabu, ispunjava osnovne zahtjeve nacionalnih smjernica. Potpuna izjava o sukladnosti dostupna je na web stranici BRC Solar GmbH (www.brc-solar.de).

6. OPERATION AND MAINTENANCE

- Only clean the BRConnect with a dry, lint-free cloth. Do not use cleaning agents or solvents.
- The BRConnect is maintenance-free; If a problem persists, contact support.

7. REPLACEMENT AND REPAIR

- The steps for dismantling the BRConnect must be carried out in the reverse order of installation (see Chapter 4):
 - Switch off the DC-side of the inverter.
 - Ensure that the string cables are voltage-free.
 - Remove the power supply to disconnect the BRConnect from the circuit.
 - Remove the Ethernet cable.
 - Release the string cables from the cable bushings.
 - Dismount the BRConnect by evenly removing it straight from the wall mount.
- Repairs must not be carried out.

8. DISPOSAL

- The transport packaging can be recycled under local waste disposal.
- After use, the BRConnect and all associated components are to be disposed of as electronic waste in accordance with the laws applicable in the country.

9. PRODUCT COMPLIANCE AND CONTACT

BRC Solar GmbH, located at Gehrstraße 7 in D-76275 Ettlingen, Germany, declares that the product BRConnect complies with the basic requirements of the national directives if the installation instructions are observed and the product is used as intended. A complete declaration of conformity can be found on the website (www.brc-solar.de) of BRC Solar GmbH.

Power Manager App



*Power
Manager App
Apple App Store*



*Power
Manager App
Google Play Store*



*Besplatni
webinar*



*Prijava na
newsletter*



Upute za uporabu BRConnect Gateway

*Instruction manual
BRConnect Gateway*

www.brc-solar.de

*SIMPLE.
SMART.
OPTIMIZED.*