



**BYD Battery-Box Pro
Emergency Charge**
Version 1.0

Important: All kinds of works or measurements in combination with the Battery-Box HV are only allowed by professional and qualified electricians. Please always follow the instructions given in the BYD Battery-Box installation manual.

Emergency charging is generally possible for BYD Battery-Box PRO 2.5-10.0 and 13.8 with the inverter SMA Sunny Island. The emergency charging is only allowed, if the battery has a voltage of 35V-48V (measured at B+ and B-).

Please follow the instructions in the manual of the inverter on how to perform an emergency charge. Please further note the following points:

1	Charging current	- 5A for batteries < 5kWh - 10A for batteries > 5kWh
2	Limited energy	max 30 minutes or max energy amount of 15% of the nominal battery capacity.
3	Unplug communication cables from BMU	During emergency charge, all communication cables must be plugged of from the BMU. After the emergency charg, they must be plugged into the BMU again.
4	Restart	After the successful emergency charge, the whole system must be turned off completely (all LEDs must be off). Afterwards, the whole system needs to be restarted. Please follow the instructions in the installation manual.

Please note: If the system is OFF-grid and emergency charge and you want to perform the emergency charge with a generator, you need to double check with SMA, if that generator is appropriate for emergency charge.

Service contact

EFT-Systems GmbH

Mail: service@eft-systems.de

Phone: +49 9352 8523999

This manual is a shortened assistance for the installation of the Battery-Box High Voltage and does not replace the original manual, which can be found on www.eft-systems.de or www.byd.com. The installation must be carried out by a trained and qualified electrician. Attention, High Voltage Storage! Improper handling can cause danger and damage.