BP-SUC-D

Supercap packs (DIN rail)

- **Long-life storage medium for UPS systems**
- **High reliability**
- **Maintenance-free supercap technology**
- **High cycle stability > 500 000**
- **Extended temperature range**
- **High power density**
- **Integrated control circuitry**
- **Over current protection**
- **Over voltage protection (up to 30 V)**
- **Connect / disconnect power function**
- **Ruggedly constructed DIN rail version**

5 YEARS Delivery · Premium · °C Extended

NEW

Technical data	
Technology	EDLC (Electric double-layer capacitors) – Supercaps
Life cycles	>500.000
Temperature	Operating: -20…+70 °C / Storage: -20…+70 °C
Max. operation altitude	5000 m
Communication	SMB

Product specific data

P/N	BP-SUC-1011D	BP-SUC-1020D	BP-SUC-1615D	BP-SUC-2120D
UPS version	UPSI-1208D	UPSI-1208D	UPSI-2406D	UPSI-2406D
Nominal voltage	10.4 V DC	10.4 V DC	15.6 V DC	20.8 V DC
Number of used cells	4 cells à 2.6 V (serial)	8 cells à 2.6 V (serial and parallel)	6 cells à 2.6 V (serial)	8 cells à 2.6 V (serial)
Energy	1.8 kJ (useful 1.1 kJ)	3.6 kJ (useful 2 kJ)	2.7 kJ (useful 1.5 kJ)	3.6 kJ (useful 2 kJ)
ESR	10 mΩ	10 mΩ	10 mΩ	10 mΩ
Charge voltage	10.4 V DC	10.4 V DC	15.6 V DC	20.8 V DC
Charge current	4 A max.	4 A max.	3 A max.	3 A max.
Discharge current	17 A max.	17 A max.	18 A max.	18 A max.
Fuse (SMD)	20 A / 32 V	20 A / 32 V	20 A / 32 V	20 A / 32 V
Dimensions (W x D x H)	63x100x120 mm ±0.5 mm	63x100x120 mm ±0.5 mm	63x100x120 mm ±0.5 mm	63x100x120 mm ±0.5 mm
Weight (net)	310 g	400 g	350 g	400 g

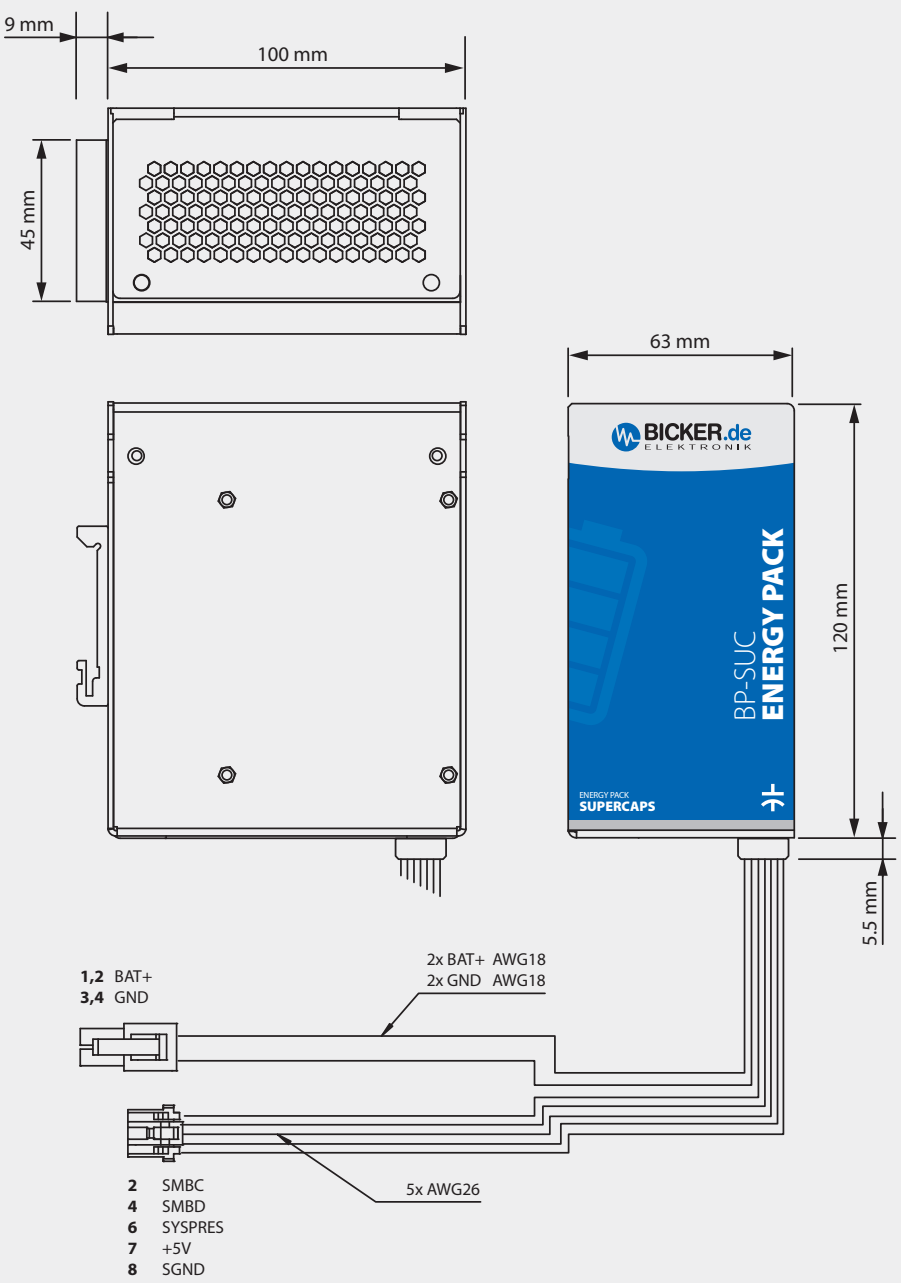
Nominal backup time, measured at +21 °C

	50 W	100 W	140 W
BP-SUC-1011D	~ 20 sec	~ 8 sec	–
BP-SUC-1020D	~ 40 sec	~ 16 sec	–
BP-SUC-1615D	~ 29 sec	~ 14 sec	~ 10 sec
BP-SUC-2120D	~ 39 sec	~ 19 sec	~ 14 sec

Back up time depends on battery capacitance, load and temperature.

Drawing BP-SUC-D

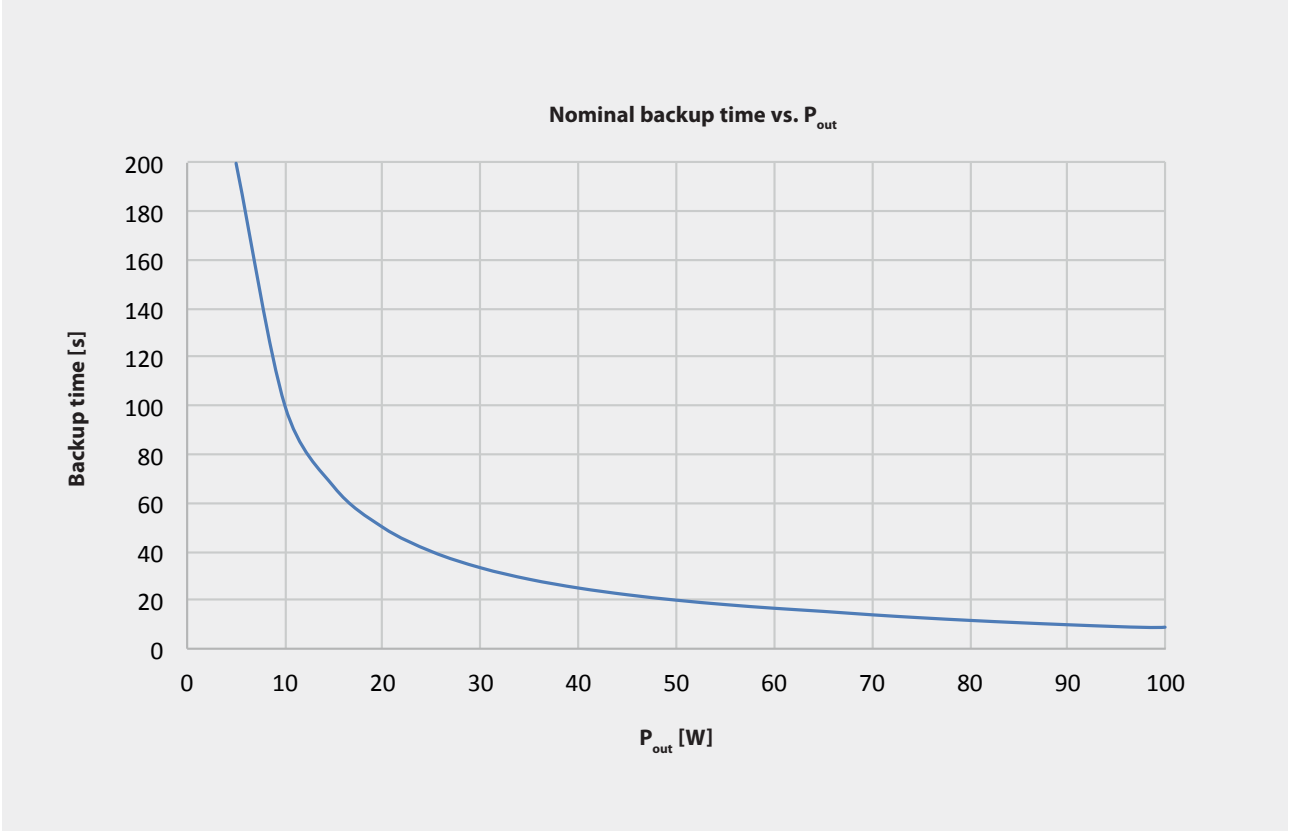
Tolerance ±0.5 mm



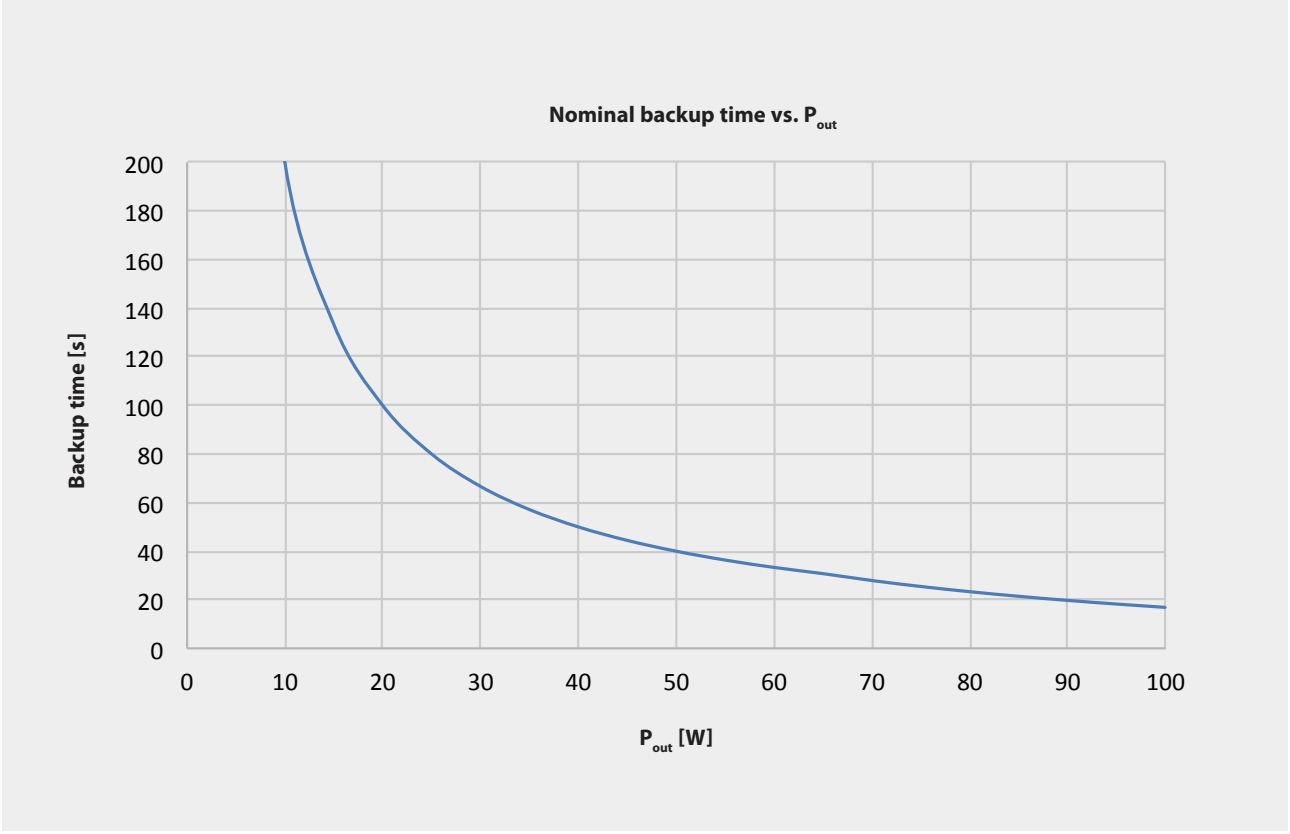
Safety information

The correct and proper operation of the battery pack is only constituted by using a BICKER UPSI-1208 (D) or UPSI-2406 (D). The correct activation process of the battery pack (via firmware) is only ensured with these devices! If the packs are connected to a pure current / voltage source, they will be damaged! The correct connecting order (see user manual page 48/49) must be strictly followed. When changing the battery packs while the system is running (hot swapping), a period of at least 6 seconds must elapse between disconnecting and re-connecting a battery pack. Please consider to each country's own regulation about recycling and disposal of used batteries etc. in hazardous waste or resending to any recycling organization. The battery pack should not be exposed to fire, immersed under water, soldered, opened, short-circuited, reversed or overheated. During storage the battery pack should not be exposed to temperatures outside the specification and should not be pushed too heavy and not exposed to high pressure. Do not swallow any parts of the battery pack.

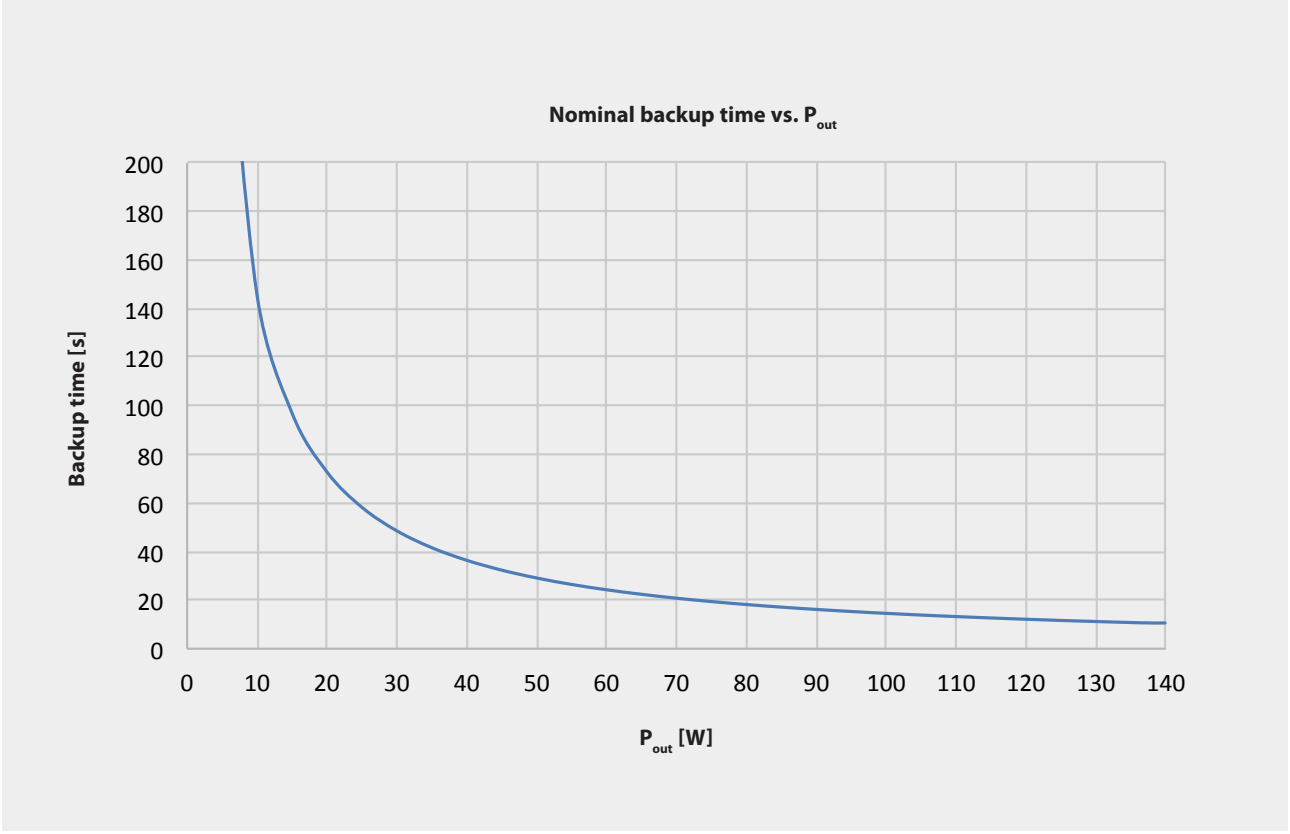
Backup time BP-SUC-1011D



Backup time BP-SUC-1020D



Backup time BP-SUC-1615D



Backup time BP-SUC-2120D