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**
- **Cell Balancing**
- **Over current protection**
- **Over voltage protection**
- **Fuse at output**
- **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
Number of used caps	4 caps à 2.6 V (serial)	8 caps à 2.6 V (serial and parallel)	6 caps à 2.5 V (serial)	8 caps à 2.5 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)
Charge voltage (max.)	10.4 V DC	10.4 V DC	15.2 V DC	20.2 V DC
Charge current (max.)	6 A	6 A	6 A	6 A
Discharge current (cont.)	15 A	15 A	15 A	15 A
Discharge current (max.)	17 A (<2 s)	17 A (<2 s)	17 A (<2 s)	17 A (<2 s)
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 +25 °C with UPSI-D DC UPS			
	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 Supercap capacitance, load and temperature.
At very high or low temperatures a reduction of backup time occurs.

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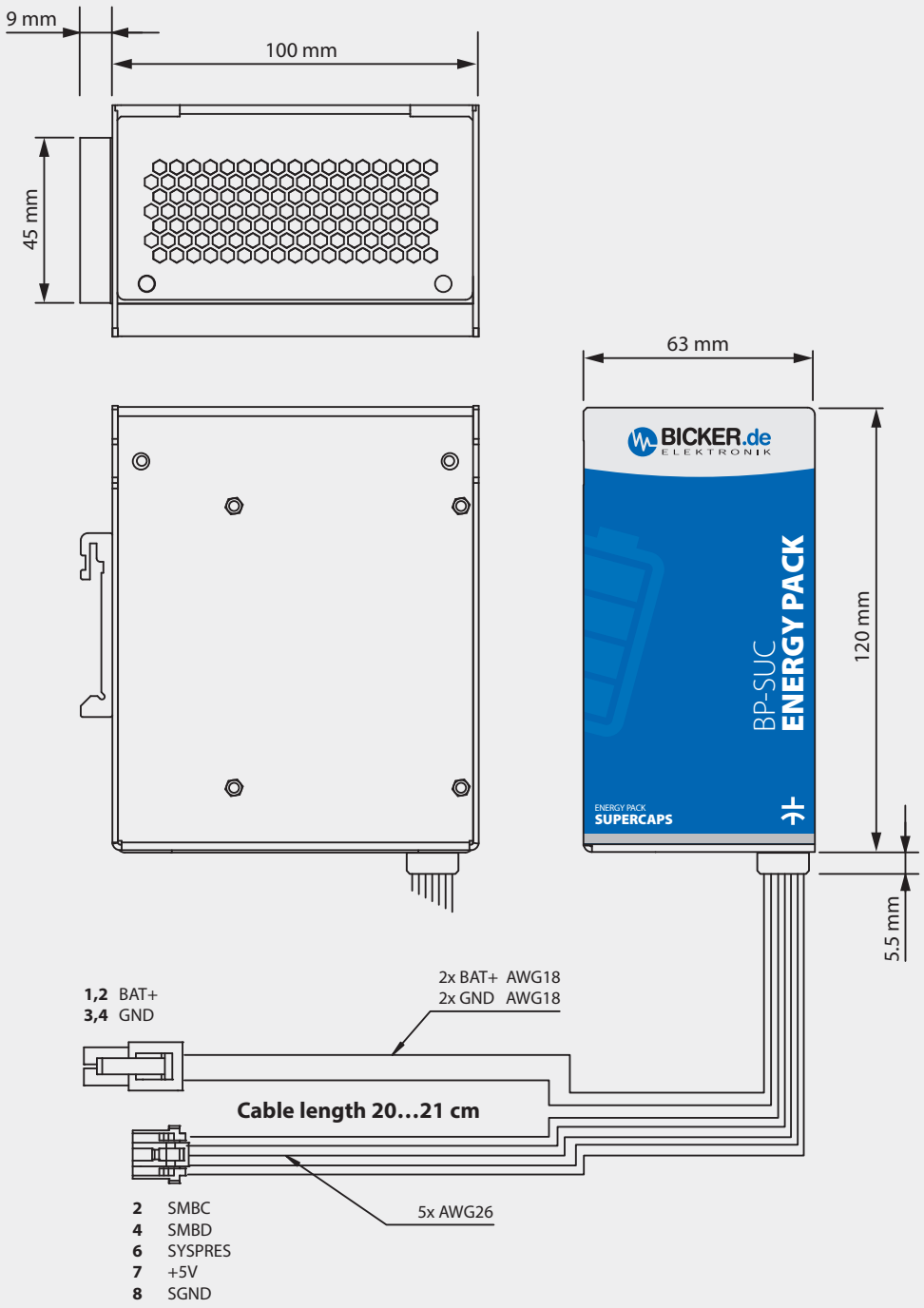
Drawing BP-SUC-D

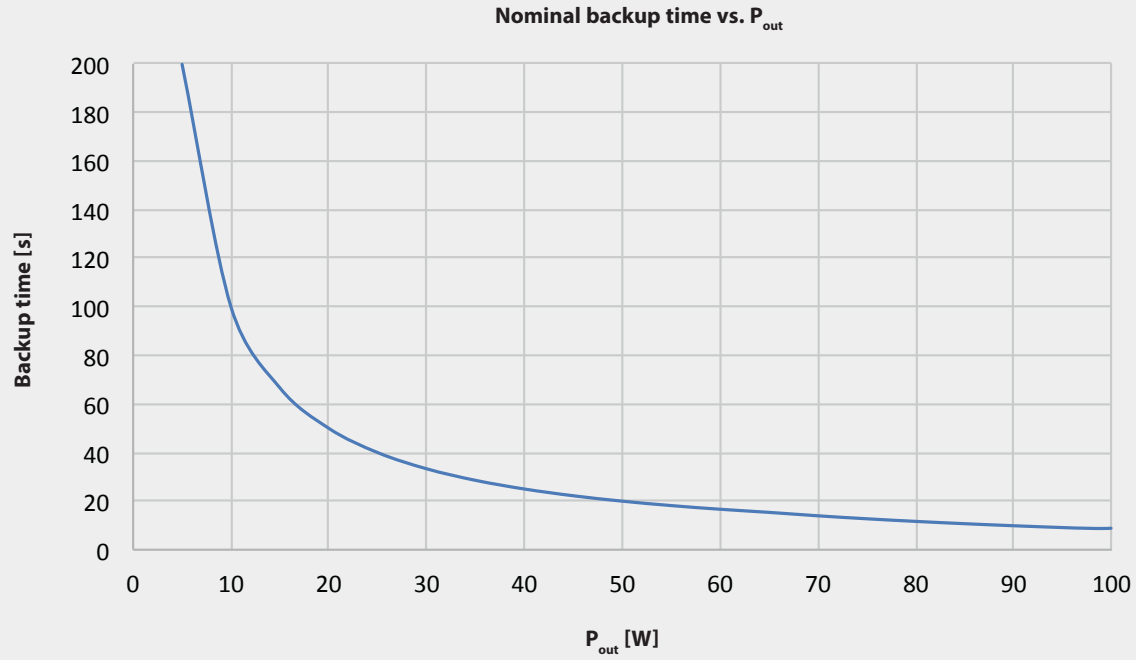
Tolerance ±0.5 mm



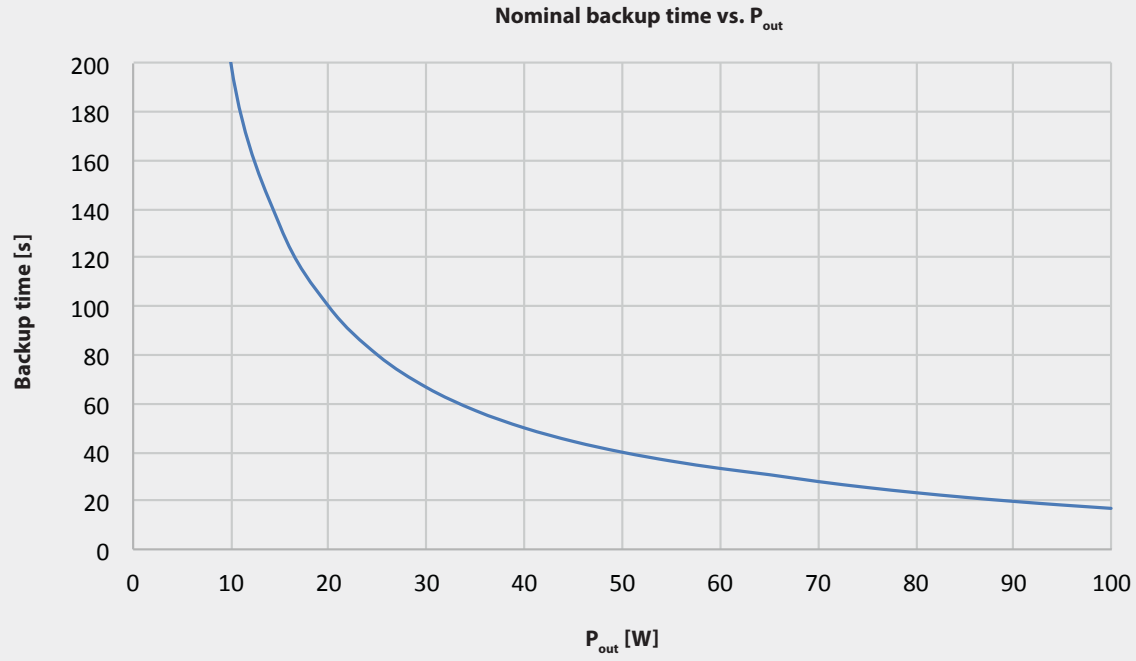
Scope of delivery

Quantity	Description
1x	BP-SUC-D Supercap pack
1x	Data cable Supercap pack, length 20…21 cm
1x	Power cable Supercap pack, length 20…21 cm

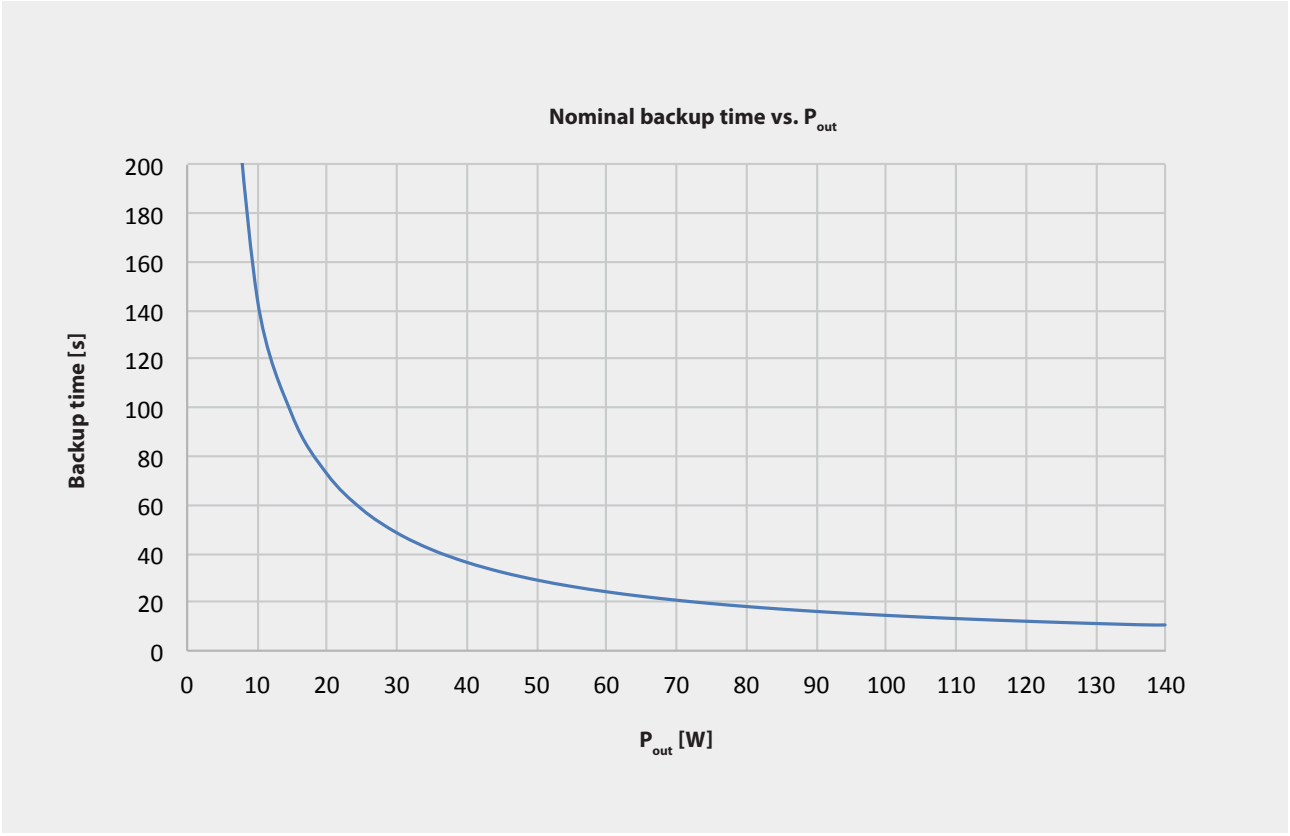
Backup time BP-SUC-1011D (measured with UPSI DC UPS)



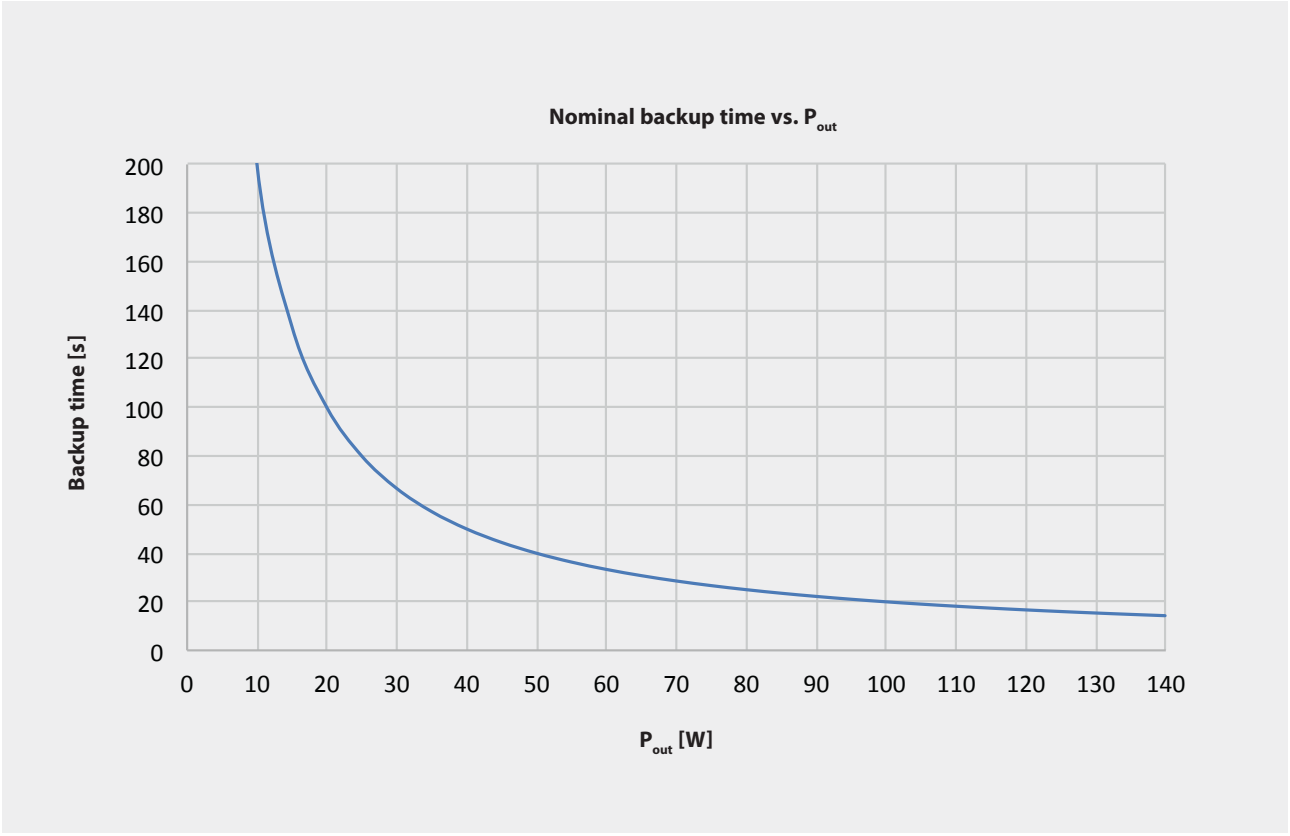
Backup time BP-SUC-1020D (measured with UPSI DC UPS)



Backup time BP-SUC-1615D (measured with UPSI DC UPS)



Backup time BP-SUC-2120D (measured with UPSI DC UPS)



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Safety information

Caution: Parts of the energy storage device are under voltage even when it is disconneted from the UPS system. When handling the device, make sure not to wear any conductive parts, e.g. rings, watches, jewellery.
The correct and proper operation of the energy pack is only constituted by using a BICKER UPSI-1208 (D) or UPSI-2406 (D). The correct activation process of the energy 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 energy packs while the system is running (hot swapping), a period of at least 6 seconds must elapse between disconnecting and re-connecting a energy pack. Please consider to each country's own regulation about recycling and disposal of used caps etc. in hazardous waste or resending to any recycling organization. The energy pack should not be exposed to fire, immersed under water, soldered, opened, short-circuited, reversed or overheated. During storage the energy 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 energy pack.