

Battery cabinets and accessories

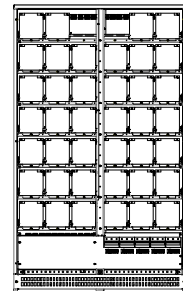
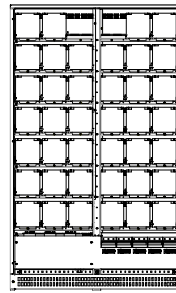
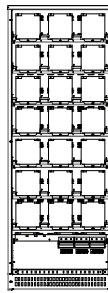
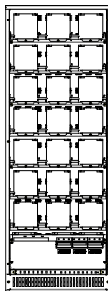
Extendable runtime

ABB offers a line of battery cabinets for its modular and standalone UPS series. These battery cabinets with integral overcurrent protection are compatible with a wide range of battery configurations and are optimized to meet application runtime needs.

Appropriate battery sizing will ensure that the autonomy is of an adequate duration for the load supplied. The user should first decide what battery autonomy is required, then select the battery configuration and cabinets accordingly. This document assists in this process, which may be broken down into the following steps:

1. Choose the UPS power and type
2. Define the backup time required
3. Choose common or separate batteries (in case of modular UPS)
4. Check autonomy tables for appropriate battery configuration and compatible battery cabinets
5. Check technical specification of selected battery cabinets for further information

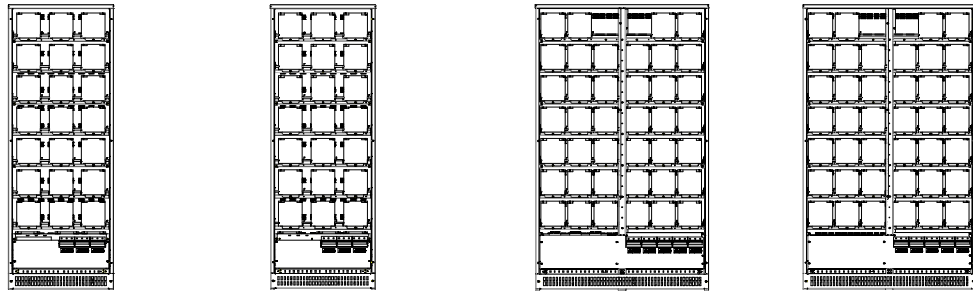
Battery cabinets for Conceptpower DPA



Available models

Type	CBAT-DPA-120 C	CBAT-DPA-120 S	CBAT-DPA-200 C	CBAT-DPA-200 S
Compatible UPS models	Conceptpower DPA 150 kVA Conceptpower DPA 250 kVA		Conceptpower DPA 150 kVA Conceptpower DPA 250 kVA	
Battery quantity/type/capacity	Up to 120 VRLA 24/28 Ah		Up to 200 VRLA 24/28 Ah	
Autonomy	Depends on UPS rated power, see detailed autonomy tables			
Battery arrangement common / separate	Common (C)	Separate (S)	Common (C)	Separate (S)
Dimensions w × h × d	730 × 1975 × 796 mm		1200 × 1975 × 796 mm	
Color	Front (doors) RAL 9007; side walls graphite grey (similar to RAL 7024)			

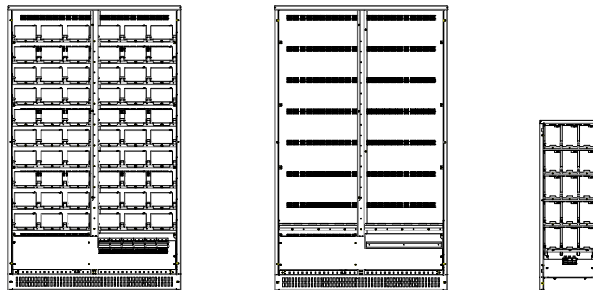
Battery cabinets for DPA UPScale / PowerWave 33



Available models

Type	CBAT-DPA UPSCALE-120 C	CBAT-DPA UPSCALE-120 S	CBAT-DPA UPSCALE-200 C	CBAT-DPA UPSCALE-200 S
Compatible UPS models	DPA UPScale ST40* DPA UPScale ST80 DPA UPScale ST60* DPA UPScale ST120		DPA UPScale ST40* DPA UPScale ST80 DPA UPScale ST60* DPA UPScale ST120 DPA UPScale ST200 PowerWave33 S2 160 kW PowerWave33 S2 200 kW	
Battery quantity/type/capacity	Up to 120 VRLA 24 / 28 Ah		Up to 200 VRLA 24 / 28 Ah	
Autonomy	Depends on UPS rated power, see detailed autonomy tables			
Battery arrangement common / separate	Common (C)	Separate (S)	Common (C)	Separate (S)
Dimensions w x h x d	730 x 1975 x 796 mm		1200 x 1975 x 796 mm	
Color	Graphite grey (similar to RAL 7024)			

Battery cabinets for DPA UPScale / PowerWave 33 / PowerScale



Available models

Type	CBAT-DPA UPSCALE-600 S	CBAT-FLEX**	CBAT-POWERSCALE-88
Compatible UPS models	DPA UPScale ST120	DPA UPScale ST40* DPA UPScale ST80 DPA UPScale ST60* DPA UPScale ST120 PowerWave 33 S2 160 kW PowerWave 33 S2 200 kW PowerWave 33 S2 250 kW PowerWave 33 S2 300 kW	PowerScale 25 kVA Cab C* PowerScale 30 kVA Cab C* PowerScale 40 kVA Cab C* PowerScale 50 kVA Cab C*
Battery quantity/type/capacity	Up to 600 VRLA 7/9 Ah	VRLA up to 150 Ah	VRLA up to 88 24 / 28 Ah
Autonomy	Depends on UPS rated power, see detailed autonomy tables below	Not applicable	Depends on UPS rated power, see detailed autonomy tables below
Battery arrangement common / separate	Separate (S)	Not applicable	Common (C)
Dimensions w x h x d	1200 x 1975 x 796 mm		475 x 1400 x 940 mm
Color	Graphite grey (similar to RAL 7024)		

* Only if no internal batteries

** For further consultancy please contact your local area sales manager.

Battery cabinets

Technical specification

General data	CBAT-120	CBAT-200	CBAT-600	CBAT-FLEX	CBAT-88
Battery cabinet models	CBAT-DPA UPSCALE-120S CBAT-DPA UPSCALE-120C CBAT-DPA-120S CBAT-DPA-120C	CBAT-DPA UPSCALE-200S CBAT-DPA UPSCALE-200C CBAT-DPA-200S CBAT-DPA-200C	CBAT-DPA UP- SCALE-600S	CBAT-FLEX	CBAT-POWER- SCALE-88
Max. number of UPS modules (applies only to separate bat. configuration)	3	5	6	–	–
Battery					
Battery type	VRLA 24 Ah or 28Ah	VRLA 24 Ah or 28Ah	VRLA 7 Ah or 9 Ah	Any VRLA or 7 to 50–60 Ah	VRLA 24 Ah or 28 Ah
Battery dimensions w × h × d	168 × 125 × 175 mm	168 × 125 × 175 mm	151 × 98 × 65 mm	Not applicable	168 × 125 × 175 mm
Max. number of batteries	120	200	600	Not applicable (depends on the bat. type)	88
Number of batteries / string	30–50 blocks	20–50 blocks	20–50 blocks	Any	16–44 blocks
Max. number of battery strings	3	5	12	Depends on the bat. type	2
Battery placement	On trays; 5 pcs/tray	On trays; 5 pcs/tray	On trays; 5 pcs/tray	On shelves	On trays; 5 pcs/tray
Electrical characteristics and wiring connection					
Nominal DC voltage	360–600 V	240–600 V	240–600 V	Not applicable	240–600 V
DC fuse	9 × 100 A	15 × 100 A	18 × 50 A	–	6 × 100 A
Wiring terminal type	S type: Terminals C type: Bus bars	S type: Terminals C type: Bus bars	S type: Terminals	N/A	Terminals
Wiring terminals	S type: 3 × 3 × 50 mm ² + PE 1 × (2 × M8) C type: 3 × (2 × M8) + PE 1 × (2 × M8)	S type: 3 × 5 × 50 mm ² + PE 1 × (2 × M8) C type: 3 × (4 × M8) + PE 1 × (2 × M10)	S type: 3 × 6 × 35 mm ² + PE 1 × (2 × M8)	N/A	3 × 25 mm ² + PE 1 × 25 mm ²
Physical characteristics					
Dimensions w × h × d	730 × 1975 × 796 mm	1200 × 1975 × 796 mm	1200 × 1975 × 796 mm	1200 × 1975 × 796 mm	475 × 1400 × 940 mm
Weight with trays w/o batteries	280 kg	390 kg	450 kg	W/o trays 190 kg; weight of one shelf 15 kg	140 kg
Weight with trays and batteries	Approx. 1480 kg	Approx. 2390 kg	Approx. 2010 kg	–	Approx. 1040 kg
Feet	4 feet of 12.5 cm ² each	6 feet of 12.5 cm ² each	6 feet of 12.5 cm ² each	6 feet of 12.5 cm ² each	4 feet of 12.5 cm ² each
Color	Graphite grey: RAL 7024 Silver: RAL 9007 (door only)	Graphite grey: RAL 7024 Silver: RAL 9007 (door only)	Graphite grey: RAL 7024	Graphite grey: RAL 7024	Graphite grey: RAL 7024
UPS color	Graphite grey: RAL 7024 Silver: RAL 9007 (door only)	Graphite grey: RAL 7024 Silver: RAL 9007 (door only)	Graphite grey: RAL 7024	Graphite grey: RAL 7024	Graphite grey: RAL 7024
Options					
Cables (UPS to bat. cabinet)	4 m length; 10–150 mm ²	4 m length; 10–150 mm ²	4 m length; 10–35 mm ²	N/A	4 m length; 25 mm ²

Autonomy table for DPA UPScale ST80/120/200 10kW modules

Load power in kW/Autonomy in minutes											
	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
10 kW	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 44 x 28Ah
20 kW	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 38 x 28Ah	1 x 46 x 28Ah	2 x 34 x 28Ah	2 x 34 x 28Ah	2 x 44 x 28Ah
30 kW	1 x 34 x 28Ah	1 x 34 x 28Ah	1 x 36 x 28Ah	1 x 40 x 28Ah	1 x 44 x 28Ah	2 x 34 x 28Ah	2 x 34 x 28Ah	2 x 34 x 28Ah	2 x 42 x 28Ah	2 x 50 x 28Ah	3 x 44 x 28Ah
40 kW	1 x 42 x 28Ah	1 x 44 x 28Ah	1 x 48 x 28Ah	2 x 34 x 24Ah	2 x 34 x 24Ah	2 x 34 x 28Ah	2 x 40 x 28Ah	2 x 46 x 28Ah	3 x 38 x 28Ah	3 x 46 x 28Ah	4 x 44 x 28Ah
50 kW	2 x 34 x 28Ah	2 x 34 x 28Ah	2 x 34 x 28Ah	2 x 34 x 28Ah	2 x 36 x 28Ah	2 x 42 x 28Ah	2 x 50 x 28Ah	3 x 38 x 28Ah	3 x 46 x 28Ah	4 x 42 x 28Ah	n. a.
60 kW	2 x 34 x 28Ah	2 x 34 x 28Ah	2 x 36 x 28Ah	2 x 40 x 28Ah	2 x 44 x 28Ah	3 x 34 x 24Ah	3 x 38 x 28Ah	3 x 46 x 28Ah	4 x 42 x 28Ah	4 x 50 x 28Ah	n. a.
80 kW	2 x 42 x 28Ah	2 x 44 x 28Ah	2 x 48 x 28Ah	3 x 36 x 28Ah	3 x 40 x 28Ah	3 x 46 x 28Ah	4 x 38 x 28Ah	4 x 46 x 28Ah	n. a.	n. a.	n. a.
100 kW	3 x 36 x 24Ah	3 x 38 x 28Ah	3 x 40 x 28Ah	3 x 44 x 28Ah	3 x 48 x 28Ah	4 x 42 x 28Ah	4 x 50 x 28Ah	n. a.	n. a.	n. a.	n. a.
120 kW	3 x 42 x 28Ah	3 x 44 x 28Ah	3 x 50 x 28Ah	4 x 40 x 28Ah	4 x 44 x 28Ah	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
160 kW	4 x 42 x 28Ah	4 x 44 x 28Ah	4 x 50 x 28Ah	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
200 kW	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.

Color codes for appropriate battery cabinet:

- CBAT-DPA UPSCALE-120
- CBAT-DPA UPSCALE-200

Autonomy table for DPA UPScale ST80/120/200 20kW modules

Load power in kW/Autonomy in minutes											
	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
20 kW	1 x 48 x 28Ah	1 x 48 x 28Ah	1 x 48 x 28Ah	1 x 48 x 28Ah	1 x 48 x 28Ah	1 x 48 x 28Ah	1 x 48 x 28Ah	1 x 48 x 28Ah	1 x 48 x 28Ah	2 x 48 x 28Ah	2 x 48 x 28Ah
40 kW	1 x 48 x 28Ah	1 x 48 x 28Ah	1 x 48 x 28Ah	2 x 48 x 28Ah	2 x 48 x 28Ah	2 x 48 x 28Ah	2 x 48 x 28Ah	2 x 48 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	4 x 48 x 28Ah
60 kW	2 x 48 x 28Ah	2 x 48 x 28Ah	2 x 48 x 28Ah	2 x 48 x 28Ah	2 x 48 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	4 x 48 x 28Ah	4 x 50 x 28Ah	n. a.
80 kW	2 x 50 x 28Ah	2 x 50 x 28Ah	2 x 50 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	4 x 48 x 28Ah	4 x 50 x 28Ah	n. a.	n. a.	n. a.
100 kW	3 x 48 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	4 x 48 x 28Ah	4 x 48 x 28Ah	n. a.	n. a.	n. a.	n. a.
120 kW	3 x 48 x 28Ah	3 x 48 x 28Ah	3 x 48 x 28Ah	4 x 48 x 28Ah	4 x 48 x 28Ah	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
160 kW	4 x 48 x 28Ah	4 x 48 x 28Ah	4 x 48 x 28Ah	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
200 kW	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.

Color codes for appropriate battery cabinet:

- CBAT-DPA UPSCALE-120
- CBAT-DPA UPSCALE-200

* Battery configuration gives more autonomy than indicated; the battery blocks may be reduced if the UPS is partially loaded. Refer to the product datasheet.

Battery configurations are for example purposes only and calculations are based on an ambient temperature of 20 °C to 25 °C. ABB recommends that the user checks or recalculates configurations according to the battery manufacturer's datasheet.

Autonomy table for DPA UPScale ST120 – 10 kW modules

Load power in kW/Autonomy in minutes

	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
10kW	1x1x40x7.2Ah	1x1x44x7.2Ah	1x1x50x7.2Ah	1x1x40x9Ah	1x1x44x9Ah	1x2x36x7.2Ah	1x2x44x7.2Ah	1x2x50x7.2Ah	1x2x44x9Ah	n.a.	n.a.
20kW	2x1x40x7.2Ah	2x1x44x7.2Ah	2x1x50x7.2Ah	2x1x40x9Ah	2x1x44x9Ah	2x2x36x7.2Ah	2x2x44x7.2Ah	2x2x50x7.2Ah	2x2x44x9Ah	n.a.	n.a.
30kW	3x1x40x7.2Ah	3x1x44x7.2Ah	3x1x50x7.2Ah	3x1x40x9Ah	3x1x44x9Ah	3x2x36x7.2Ah	3x2x44x7.2Ah	3x2x50x7.2Ah	3x2x44x9Ah	n.a.	n.a.
40kW	4x1x40x7.2Ah	4x1x44x7.2Ah	4x1x50x7.2Ah	4x1x40x9Ah	4x1x44x9Ah	4x2x36x7.2Ah	4x2x44x7.2Ah	4x2x50x7.2Ah	4x2x44x9Ah	n.a.	n.a.
50kW	5x1x40x7.2Ah	5x1x44x7.2Ah	5x1x50x7.2Ah	5x1x40x9Ah	5x1x44x9Ah	5x2x36x7.2Ah	5x2x44x7.2Ah	5x2x50x7.2Ah	5x2x44x9Ah	n.a.	n.a.
60kW	6x1x40x7.2Ah	6x1x44x7.2Ah	6x1x50x7.2Ah	6x1x40x9Ah	6x1x44x9Ah	6x2x36x7.2Ah	6x2x44x7.2Ah	6x2x50x7.2Ah	6x2x44x9Ah	n.a.	n.a.

Color codes for appropriate battery cabinet:

 CBAT-DPA UPSCALE-600S

Autonomy table for DPA UPScale ST120 – 20 kW modules

Load power in kW/Autonomy in minutes

	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
20kW	1x2x48x7.2Ah	1x2x48x7.2Ah	1x2x50x7.2Ah	1x2x48x9Ah	1x2x48x9Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
40kW	2x2x48x7.2Ah	2x2x48x7.2Ah	2x2x50x7.2Ah	2x2x48x9Ah	2x2x48x9Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
60kW	3x2x48x7.2Ah	3x2x48x7.2Ah	3x2x50x7.2Ah	3x2x48x9Ah	3x2x48x9Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
80kW	4x2x48x7.2Ah	4x2x48x7.2Ah	4x2x50x7.2Ah	4x2x48x9Ah	4x2x48x9Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
100kW	5x2x48x7.2Ah	5x2x48x7.2Ah	5x2x50x7.2Ah	5x2x48x9Ah	5x2x48x9Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
120kW	6x2x48x7.2Ah	6x2x48x7.2Ah	6x2x50x7.2Ah	6x2x48x9Ah	6x2x48x9Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Color codes for appropriate battery cabinet:

 CBAT-DPA UPSCALE-600S

Autonomy table for Conceptpower DPA

Load power in kW/Autonomy in minutes

	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
24 kW	1x40x28Ah*	1x40x28Ah*	1x40x28Ah*	1x40x28Ah*	1x40x28Ah	1x42x28Ah	1x46x28Ah	2x40x28Ah*	2x40x28Ah	2x40x28Ah	3x40x24Ah*
32 kW	1x40x28Ah*	1x40x28Ah*	1x40x28Ah	1x44x28Ah	1x48x28Ah	2x40x28Ah*	2x40x28Ah	2x40x28Ah	2x44x28Ah	3x40x28Ah*	3x46x28Ah
40 kW	1x42x28Ah	1x44x28Ah	1x50x28Ah	2x40x28Ah*	2x40x28Ah*	2x40x28Ah*	2x40x28Ah	2x46x28Ah	3x40x28Ah*	3x46x28Ah	4x44x28Ah
48 kW	1x50x28Ah	2x40x28Ah	2x40x28Ah*	2x40x28Ah*	2x40x28Ah*	2x42x28Ah	2x46x28Ah	3x40x28Ah	3x44x28Ah	4x40x28Ah	n.a.
64 kW	2x40x28Ah*	2x40x28Ah*	2x40x28Ah	2x44x28Ah	2x48x28Ah	3x40x28Ah*	3x42x28Ah	3x50x28Ah	4x44x28Ah	n.a.	n.a.
72 kW	2x40x28Ah*	2x40x28Ah*	2x44x28Ah	2x50x28Ah	3x40x28Ah	3x42x28Ah	3x46x28Ah	4x42x28Ah	4x50x28Ah	n.a.	n.a.
80 kW	2x42x28Ah	2x44x28Ah	2x48x28Ah	3x40x28Ah*	3x40x28Ah*	3x46x28Ah	4x40x28Ah	4x46x28Ah	n.a.	n.a.	n.a.
96 kW	3x40x28Ah*	3x40x28Ah*	3x40x28Ah*	3x44x28Ah	3x48x28Ah	4x42x28Ah	4x46x28Ah	n.a.	n.a.	n.a.	n.a.
120kW	3x42x28Ah	3x44x28Ah	3x48x28Ah	4x40x28Ah	4x44x28Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
128kW	3x46x28Ah	3x48x28Ah	4x40x28Ah	4x44x28Ah	4x48x28Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
160kW	4x42x28Ah	4x44x28Ah	4x50x28Ah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
200kW	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Color codes for appropriate battery cabinet:

 CBAT-DPA 120

 CBAT-DPA 200

* Battery configuration gives more autonomy than indicated; the battery blocks may be reduced if the UPS is partially loaded. Refer to the product datasheet.

Autonomy table for PowerScale Cabinet A

Load power in kW / Autonomy in minutes											
	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
9kW	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	1 × 26 × 28 Ah*	1 × 26 × 28 Ah*	1 × 26 × 28 Ah*	1 × 30 × 28 Ah	1 × 40 × 28 Ah
13.5 kW	internal bat.	internal bat.	internal bat.	1 × 36 × 28 Ah*	1 × 36 × 28 Ah*	1 × 36 × 28 Ah*	1 × 36 × 28 Ah*	1 × 36 × 28 Ah*	1 × 38 × 28 Ah	1 × 46 × 28 Ah	2 × 36 × 28 Ah*
18 kW	internal bat.	1 × 44 × 28 Ah*	1 × 44 × 28 Ah*	1 × 44 × 28 Ah*	1 × 44 × 28 Ah*	1 × 44 × 28 Ah*	1 × 44 × 28 Ah*	1 × 44 × 28 Ah	2 × 44 × 28 Ah*	2 × 44 × 28 Ah*	2 × 44 × 28 Ah*

Cabinet B

Load power in kW / Autonomy in minutes											
	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
9kW	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	1 × 40 × 28 Ah
13.5 kW	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	1 × 36 × 28 Ah	1 × 38 × 28 Ah	1 × 46 × 28 Ah	2 × 36 × 28 Ah*
18 kW	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	1 × 44 × 28 Ah*	1 × 44 × 28 Ah*	1 × 48 × 28 Ah	2 × 44 × 28 Ah*	2 × 44 × 28 Ah*
22.5kW	internal bat.	internal bat.	internal bat.	internal bat.	1 × 48 × 28 Ah*	1 × 48 × 28 Ah*	1 × 48 × 28 Ah*	n. a.	n. a.	n. a.	n. a.

Cabinet C

Load power in kW / Autonomy in minutes											
	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
22.5kW	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	n. a.	n. a.	n. a.	n. a.
27 kW	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	internal bat.	2 × 28 × 28 Ah	2 × 32 × 28 Ah	2 × 38 × 28 Ah	n. a.	n. a.
36 kW	internal bat.	internal bat.	internal bat.	internal bat.	2 × 36 × 28 Ah*	2 × 36 × 28 Ah*	2 × 36 × 28 Ah	2 × 42 × 28 Ah	n. a.	n. a.	n. a.
45kW	internal bat.	internal bat.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.

Color codes for appropriate battery cabinet A, B and C:

- CBAT-POWERSCALE-88
- UPS internal batteries

* Battery configuration gives more autonomy than indicated; the battery blocks may be reduced if the UPS is partially loaded. Refer to the product datasheet

Autonomy table for PowerWave 33

Load power in kW / Autonomy in minutes											
	5 min.	6 min.	8 min.	10 min.	12 min.	15 min.	20 min.	25 min.	30 min.	40 min.	60 min.
60kW	2 × 42 × 28 Ah*	2 × 42 × 28 Ah*	2 × 42 × 28 Ah*	2 × 42 × 28 Ah	2 × 44 × 28 Ah	3 × 42 × 28 Ah*	3 × 42 × 28 Ah*	3 × 46 × 28 Ah	4 × 42 × 28 Ah	n. a.	n. a.
80 kW	2 × 42 × 28 Ah	2 × 44 × 28 Ah	2 × 48 × 28 Ah	3 × 42 × 28 Ah*	3 × 42 × 28 Ah	3 × 46 × 28 Ah	4 × 42 × 28 Ah*	4 × 48 × 28 Ah	n. a.	n. a.	n. a.
100kW	3 × 42 × 28 Ah*	3 × 42 × 28 Ah*	3 × 42 × 28 Ah	3 × 44 × 28 Ah	3 × 48 × 28 Ah	4 × 42 × 28 Ah	4 × 48 × 28 Ah	n. a.	n. a.	n. a.	n. a.
120kW	3 × 42 × 28 Ah	3 × 44 × 28 Ah	3 × 48 × 28 Ah	4 × 42 × 28 Ah	4 × 48 × 28 Ah*	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.

Color codes for appropriate battery cabinet:

- CBAT-DPA UPSALE-120
- CBAT-DPA UPSALE-200

* Battery configuration gives more autonomy than indicated; the battery blocks may be reduced if the UPS is partially loaded. Refer to the product datasheet

www.abb.com/ups

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