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# Conceptpower DPA 120 technical specifications

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<b>General data</b>	<b>Conceptpower DPA 120</b>
System power range	20kW–600kW
Nominal power/module	20kW
Nominal power/frame (capacity)	120kW
Output power factor	1.0
Topology	Online double conversion, transformerless, modular, Decentralized Parallel Architecture
Parallel configuration	Up to 6 modules in one frame / up to 5 frames in parallel
Cable entry	Bottom
Serviceability	Front access only
Back-feed protection	Built-in (standard)
Connection	5-wires, 3-phase + neutral + ground

## Input

Nominal input voltage	3 x 208/120V + neutral + ground
Voltage tolerance	< 100% (–15%, +10%), < 80% (–20%, +10%), < 60% (–30%, +10%)
Input distortion THDi	< 4% at 100% load
Frequency range	50/60Hz ± 5%
Power factor	0.99 @ 100% load
Walk in/soft start	Yes

## Output

Nominal input voltage	3 x 208/120V + neutral + ground
Voltage tolerance	± 2.5%
Voltage distortion THDv	< 2% in linear mode

Frequency	50/60Hz
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### Efficiency

Online double conversion	Up to 94% at nominal load
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### Environment

Protection rating	IP 20
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Storage temperature	-25° to +70°C
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Operating temperature	0° to +40°C
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Altitude (above sea level)	1000 m without de-rating
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### Batteries

Number of 12V jars/string	25 – 35 jars
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Types	VRLA, NiCd
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Battery charger	Decentralized charger in each module set
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### Communications

User interface	Graphical touch screen (one per frame as standard) Decentralized LCD + mimic diagram (one per module as standard)
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Communication ports	USB, RS-232, voltage-free contacts, SNMP (optional)
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Customer interface	Remote shutdown, gen-set interface, external bypass contact
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### Compliance

Safety	UL 1778 5th edition, CSA C22.2 No. 107.3-14 Third Edition
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EMC	IEC/EN 62040-2 C3
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Manufacturing

ISO 9001:2008

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### **Weight, Dimensions**

Weight  
(System with 6 modules)

1517 lbs. (688 kg)

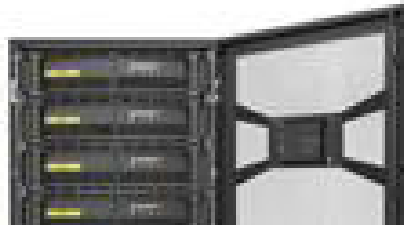
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Dimensions WxHxD

31.16" x 77.76" x 35.17" (791 x 893 x 1975.5 mm)

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Note: Please refer to ABB Conceptpower DPA 120 technical documents for configurations, features, recommendations and guidelines.



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