

GrapheneGPU

PCS 400

- + Peak Shaving Capacitor Shelf (PCS)
- + 400 VDC interface voltage
- + 160 kW peak power
- + ORV3 compatible, 4OU high
- + Air-cooled and liquid-cooled options available
- + Intelligent control and integrated BMS
- + Lithium-free supercapacitor energy storage based on Skeleton Technologies patented Curved Graphene technology



General Specifications	Value	Unit
Electrical		
Nominal output voltage	400	V (DC)
Output voltage operating area	320 – 480	V
Output peak current	400	A
Continuous output current (cooling type tbd)	300	A
Continuous output power	120	kW
Peak output power	160	kW
Usable capacity At continuous (rated) current	600	kJ
Peak efficiency	98	%

Dynamic Performance	Value	Unit
Current slew rate	10	A/μs
DC/DC switching frequency	100	kHz

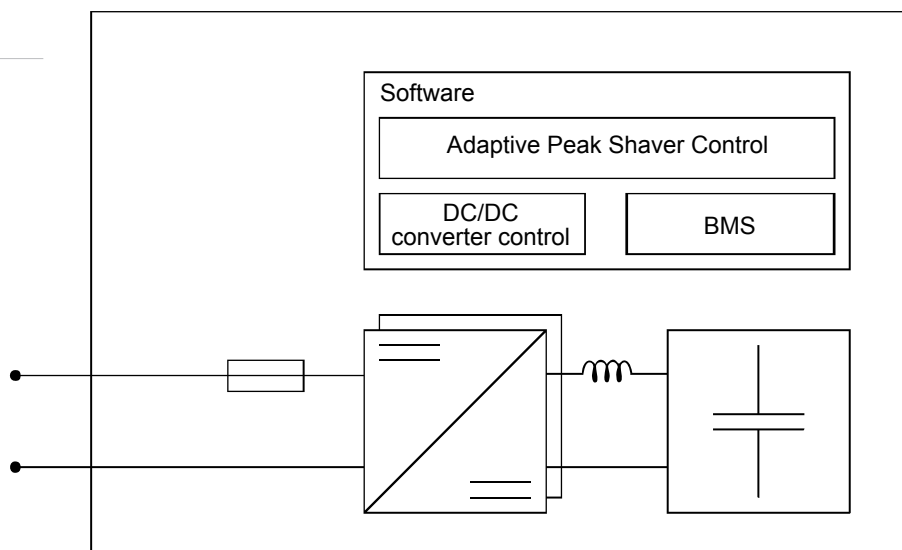
Standards and Approvals

- UL810A
- UL9540A
- IEC 62368-1
- EN 61000-6-2
- EN 61000-6-4
- EN 60068-2-6
- EN 60068-2-27

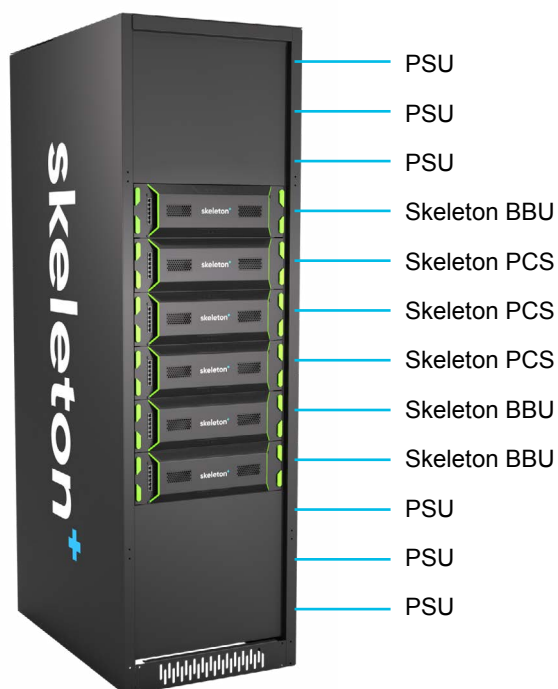
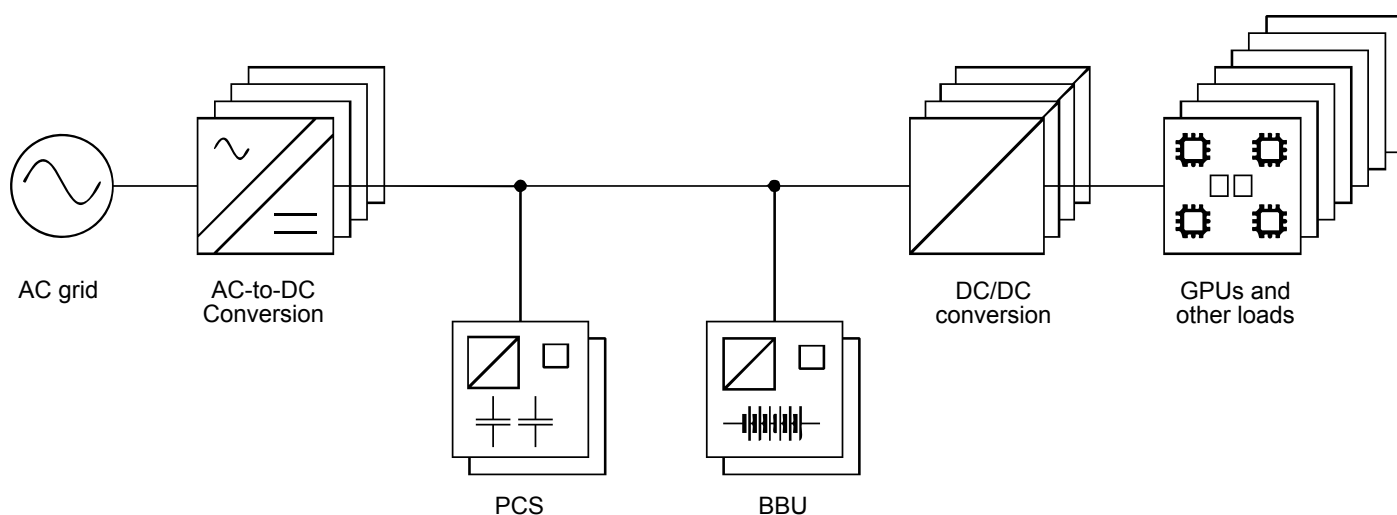
Communication Interfaces	
Communication interfaces	2x Ethernet 1x CAN or 1x RS-485 (selectable hardware option)
Ethernet protocols	Modbus TCP Redfish*
CAN protocols	Custom**
RS-485 protocols	Modbus RTU
I/O	4x Analog input 0-10 V 1x Analog output, open collector 2x Digital input
Other communications	Sync link for parallel operation of PCS units

Physical Parameters	Value	Unit
Target installation	21" ORV3	
Height	4 OU	

Block Diagram



Typical Application



All information is preliminary and subject to change without prior notice.

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