

Datasheet Ultracapacitor Grid Stabilizer



	UGS 250	UGS 500	UGS 750	UGS 1000	UGS 1500	UGS 2000	UGS 3000	UGS 4000
Rated output power (kW)	250	500	750	1000	1500	2000	3000	4000
Storage capacity (MWsec)*	2.5	5.0	7.5	10.0	15.0	20.0	30.0	40.0
Rated output current (A)	235	465	700	930	1395	1865	2795	3725
Rated output frequency (Hz)**	50	50	50	50	50	50	50	50
Weight (kg)	3700	4800	5900	8400	10600	14900	19700	24400
Container	10ft	10ft	10ft	20ft	20ft	40ft	40ft	40ft
Dimensions (WxDxH) in mm	W 2400	W 2400	W 2400	W 2400	W 2400	W 2400	W 2400	W 2400
	D 3000	D 3000	D 3000	D 12200	D 6000	D 12200	D 12200	D 12200
	H 2600	H 2600	H 2600	H 2900	H 2900	H 2900	H 2900	H 2900
Rated output voltage AC	620 V							
Active Power Support *	Rated power for 10 seconds							
Power factor range	0.95 cap ... 0.95 ind							
Total harmonic distortion	< 3%							
Maximum efficiency	> 98%							
Principle	IGBT							
IGBT switching frequency (kHz)	2 ... 4 kHz							
Protection class	IP 54							
Temperature range	-20°C ... +50°C							
Cooling principle	liquid cooling							
Operating pressure cooling system	3 bar							
Main controller	Siemens Simotion P320-4							
Internal communication bus	Profinet							
External communication interfaces	Ethernet / TCP/IP							

* project-specific dimensioning possible

** datasheet for 60 Hz on request

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We reserve the right to modify technical specifications without prior notice.

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