

Technical specifications

Galaxy VL	Features
Nominal power rating (kVA = kW)	200, 300, 400, 500
Scalability	From 200 kW to 500 kW with 50 kW power module increments
N+1 power ratings	200, 250, 300, 350, 400, 450
Technical rating	500 kW
Topology	On-line double conversion, ECOConversion
Key features	
Modular design	Power module, control module, power supply unit
Live Swap elements	Power module
Display	Color touch screen, 7 inches, mimic diagram on display
Cabinet Type	Standalone, White (RAL9003)
Efficiency	
Double conversion mode	> 97%
ECOConversion	Up to 99%
ECO mode	Up to 99%
Input	
Rated voltage	380/400/415/440/480 VAC
Input voltage range (phase to phase)	331-552 V
Single mains/dual mains	Single mains as standard. Easily converted to dual mains.
Connections	Single Mains: 3 phases + Neutral + Ground, Dual mains: 3 phases + Ground
Input current total harmonic distortion (THDI)	<5%
Input power factor	>0.99 at load >25%
Cable entry	Top as standard. Optional bottom cable entry cabinet available.
Input backfeed protection	Input backfeed protection: Included. Bypass backfeed protection: External or internal with kit.
Short circuit withstand	65 kA 1cw
Output	
Nominal output voltages	380/400/415/440/480 VAC
Load power factor	PF=1 @ 40°C without derating
Voltage regulation	+/- 1% (symmetrical load)
Frequency	50/60Hz +/-0.1% free running
Overload normal operation	1 min @ 150%; 10min @ 125%
Overload battery operation	1 min @ 125%
Output THDU on linear load	<1%
Output THDU on non-linear load	<5%
Output Voltage classification	VFI-SS-111

Galaxy VL	Features
Paralleling	
Parallel capability	Up to 4 UPSs for capacity or 3+1 UPSs for redundancy
Batteries	
Battery type	VRLA/Lithium-Ion/NiCad
DC Bus/Number of VRLA battery blocks	480-576 V (40-48 blocks)
Float Voltage, 2.27 V/cell	545-654 V
Backup time	5 minutes to 1 hour (longer runtime available*)
Maximum charging power (0-40% load)	80%
Maximum charging power (100% load)	20%
Number of supported battery breakers	4
Breaker trip function	UV coil on the battery breaker
Temperature compensation	-3.3 mV/°C/cell, for T >= 25°C 0 mV/°C/cell, for T < 25°C
Maximum short-circuit level	30 kA
Battery test	Manual/automatic (selectable)
Battery runtime estimation	Yes
Battery deep discharge protection	Yes
Environment	
Operating temperature	0-40 °C without rating
Storage temperature	-25° to 55°C
Humidity	0% to 95%
Elevation/altitude	1000m 100% load up to 3000m with derating
Audible noise at 100% load	400V: 69.5 dB; 480V: 68 dB
IP level (Ingress Protection)	IP20
Dust	Supports harsh environments Pollution degree 2 (IEC 62040). Air filter included.
Conformance coating	On PCBA

Options and accessories	
Lithium-ion battery cabinet	Parallel communications kit
Maintenance bypass cabinet	Network management card
Bottom cable entry cabinet	Internal backfeed kit
Battery breaker kit	Kirk key kit (480V)*
Air filter kit	Classic battery cabinet (400V)*
Seismic kit	Battery breaker box (400V)*

Preliminary specifications – can be subject to changes.

*Contact your local representative for availability

**Contact your sales representative for any custom-built requirements