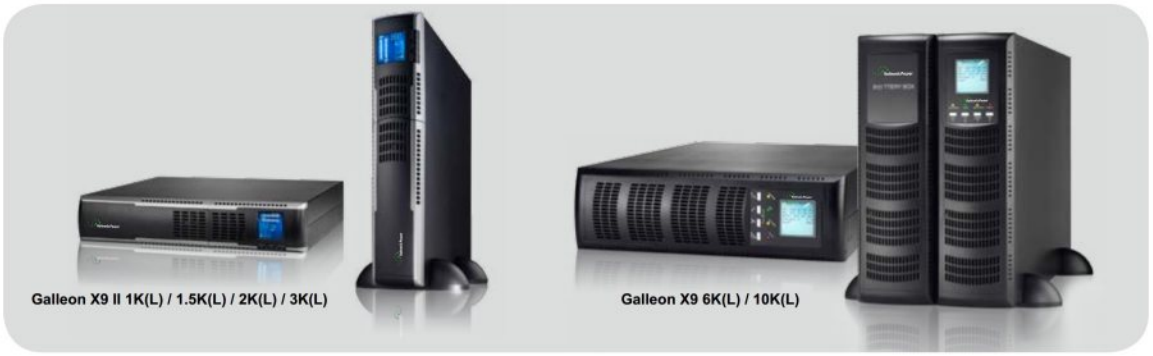
Galleon X9 II



• True double-conversion online UPS

A true double conversion UPS will provide clean, high level quality power to fully protect mission-critical devices such as sensitive networks, small computer centers servers, telecom applications, as well as for industrial applications.

• Output power factor 0.9

Galleon X9 is a high-density UPS with output power factor 0.9 to provide higher performance and efficiency to critical applications.

• User-friendly and easy-shift LCD display

The front panel digital display can be easily shifted through LCD setting to suit the installation format, vertically stand or flat wall mount.

Galleon X9 1-3K

Rack display

Tower display

Galleon X9 6-10K

• Rack/Tower design

Galleon X9 series is designed in true universal-mount case. It can be easily installed as floor-standing tower or in 19-inch rackmount bracket.

19" rack-mounting

Floor-standing Tower

• Programmable power management outlets for 1-3K models only

With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.

Programmable Outlets [P1]- connect to non-critical devices

• 50/60 Hz frequency converter mode

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

• ECO and advanced ECO mode for energy saving

It allows UPS to operate in high efficiency up to 97% in energy-saving ECO mode. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems. Galleon X9 1-3K even offers advanced ECO mode to allow UPS to operate at higher efficiency up to 98%.

• Emergency Power Off Function (EPO)

This feature can secure the personnel and equipment in case of fires or other emergencies.

• Hot-swappable battery design for 1-3K models only

This design ensures clean and uninterruptible power to protected equipment during battery replacement.

• DSP technology applied for 6K and up models

A DSP controller provides an improved and cost-effective solution with high performance.

• Active input power factor correction 0.99 for 6K and up models

This feature will save more energy and its power factor performance is more stable to meet higher environment standards.

• N+X parallel redundancy available for 6K and up models

Galleon X9 (6K and up models) can be used in parallel operation with up to 3 units. It increases power capacity, safety and availability.

Battery Pack

Supported UPS Model	1K	1K/1.5K	2K	2K/3K
Battery Type	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V 9 Ah
Battery Number	4 pcs	6 pcs	8 pcs	12 pcs
Dimension (DxWxH)	410 x 438 x 88	510 x 438 x 88		630 x 438 x 88
Net Weight (kgs)	17.3	24.8	29.8	42.5

Galleon X9 II Rack/Tower Online UPS Selection Guide

MODEL		Galleon X9 II 1K		Galleon X9 II 1.5K	Galleon X9 II 2K		Galleon X9 II 3K
PHASE		Single phase with ground					
CAPACITY	VA	1000 VA		1500 VA	2000 VA		3000 VA
	W	900 W		1350 W	1800 W		2700 W
INPUT							
Nominal Voltage		100*/110*/115*/120 /127 VAC or 200/208/220/230/240 VAC					
Voltage Range		55-150 VAC ± 5% or 110-300 VAC ± 5% @ 50% load 80-150 VAC ± 5% or 160-300 VAC ± 5% @ 100% load					
Frequency Range		40Hz ~ 70Hz					
Harmonic Distortion(THDi)		≦5% @ nominal input voltage					
Power Factor		≧0.99 @ Nominal Voltage (100% Load)					
OUTPUT							
Output Voltage		100*/110*/115*/120/127 VAC or 200/208/220/230/240 VAC					
AC Voltage Regulation (Batt. Mode)		± 1%					
Frequency Range (Synchronized Range)		57 ~ 63 Hz or 47 ~ 53 Hz					
Frequency Range (Batt. Mode)		60Hz ± 0.1Hz or 50 Hz ± 0.1Hz					
Current Crest Ratio		3:1 (max.)					
Harmonic Distortion		≦2 % THD (Linear Load) ; ≦4 % THD (Non-linear load)					
Transfer Time	AC Mode to Battery Mode	Zero					
	Inverter to Bypass	4 ms (Typical)					
Waveform (Batt. Mode)		Pure Sinewave					
EFFICIENCY							
AC Mode		90%		90%	91%		91%
ECO Mode		97%		97%	97%		97%
Battery Mode		88%	89%	89%	88%	89%	90%
BATTERY							
Stanard Model	Battery Type	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
	Numbers	2	3	3	4	6	6
	Typical Recharge Time	4 hours recover to 90% capacity					
	Charging Current (max.)	1.5 A*					
	Charging Voltage	27.4 VDC ± 1%	41.1 VDC ± 1%	41.1 VDC ± 1%	54.8 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%
Long-run Model	Battery Type	Depending on the capacity of external batteries					
	Numbers	2	3	3	4	6	6
	Charging Current (max.)	1A / 2A / 4A / 8A					
	Charging Voltage	27.4 VDC ±1%	41.1 VDC ±1%	41.1 VDC ±1%	54.8 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%
INDICATORS							
LCD Display		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator					
ALARM							
Battery Mode		Sounding every 5 seconds					
Low Battery		Sounding every 2 seconds					
Overload		Sounding every second					
Fault		Continously sounding					
PHYSICAL							
Stanard Model	Dimension, D x W x H (mm)	410 x 438 x 88		410 x 438 x 88	510 x 438 x 88	630 x 438 x 88	630 x 438 x 88
	Net Weight (kgs)	11.6	14.2	14.5	19.5	26.9	27.4
Long-run Model	Dimension, D x W x H (mm)	410 x 438 x 88		410 x 438 x 88	410 x 438 x 88		510 x 438 x 88
	Net Weight (kgs)	6.4		6.5	6.5		10.5
ENVIRONMENT							
Humidity		20-90 % RH @ 0- 40°C (Non-condensing)					
Noise Level		Less than 50dB @ 1 Meter					
MANAGEMENT							
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC					
Optional SNMP		Power management from SNMP manager and web browser					

** Derate capacity to 95% when the output voltage is adjusted to 115VAC, derate capacity to 90% when the output voltage is adjusted to 110VAC and derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.
**If standard UPS is equipped with additional charger, the available setting options become 2A, 3A and 4A.
Product specifications are subject to change without further notice

Battery Pack

Supported UPS Model	6K	10K
Battery Type	12/7Ah	12 V 9 Ah
Battery Number	20 pcs	20 pcs
Dimension (DxWxH)	606 x 438 x 133	606 x 438 x 133
Net Weight (kgs)	58	65

TESTED TO UL 1778

Galleon X9 Rack/Tower Online UPS Selection Guide

MODEL		Galleon X9 6K	Galleon X9 ISO 6K	Galleon X9 10K	Galleon X9 ISO 10K
PHASE		Single phase with ground			
CAPACITY		6000 VA / 5400 W		10000 VA / 9000 W	
INPUT					
Nominal Voltage		200/208/220/230/240 VAC			
Voltage Range		110-300 VAC ± 3% at 50% load 176-300 VAC ± 3% at 100% load			
Frequency Range		46~54 Hz or 56~64 Hz			
Power Factor		≧ 0.99 @ 100% load			
OUTPUT					
Nominal Voltage		200/208/220/230/240 VAC	104 VAC x 2 / 208 VAC or 110 VAC x 2 / 220 VAC or 115 VAC x 2 / 230 VAC or 120 VAC x 2 / 240 VAC	200/208/220/230/240 VAC	104 VAC x 2 / 208 VAC or 110 VAC x 2 / 220 VAC or 115 VAC x 2 / 230 VAC or 120 VAC x 2 / 240 VAC
AC Voltage Regulation		± 1%	± 3%	± 1%	± 3%
Frequency Range(Synchronized Range)		46~54 Hz or 56~64 Hz			
Frequency Range(Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio		3:1 (max.)			
Harmonic Distortion		≦ 2 % THD (Linear Load), ≦ 4 % THD (Non-linear Load)	≦ 3.5 % THD (Linear Load), ≦ 7 % THD (Non-linear Load)	≦ 2 % THD (Linear Load), ≦ 4 % THD (Non-linear Load)	≦ 3.5 % THD (Linear Load), ≦ 7 % THD (Non-linear Load)
Transfer Time	AC Mode to Battery Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Batt. Mode)		Pure Sinewave			
EFFICIENCY					
AC Mode		91%	85%	91%	85%
ECO Mode		96%	87%	96%	87%
Battery Mode		88%	82%	88%	82%
BATTERY					
Standard Model	Battery Type	12 V / 7 Ah		12 V / 9 Ah	
	Numbers	20 (18-20 pcs adjustable)*		20 (18-20 pcs adjustable)*	
	Typical Recharge Time	7 hours recover to 90% capacity		9 hours recover to 90% capacity	
	Charging Current (max.)	1.0 A		1.0 A	
	Float Charging Voltage	273 VDC (based on battery numbers at 20 pcs)			
Long Run Model	Battery Type and Numbers	Depending on applications			
	Charging Current (max.)	4.0 A		4.0 A	
	Float Charging Voltage	273 VDC (based on battery numbers at 20 pcs)			
INDICATORS					
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM					
Battery Mode		Sounding every 4 seconds			
Low Battery		Sounding every second			
Overload		Sounding twice every second			
Fault		Continously sounding			
PHYSICAL					
Standard Model	Dimension, D x W x H(mm)	UPS unit: 606 x 438 x 133 [3U] Battery pack: 606 x 438 x 133 [3U]	UPS unit: 606 x 438 x 133 [3U] Battery pack: 606 x 438 x 133 [3U] ISO bank: 606 x 438 x 133 [3U]	UPS unit: 686 x 438 x 133 [3U] Battery pack: 606 x 438 x 133 [3U]	UPS unit: 686 x 438 x 133 [3U] Battery pack: 606 x 438 x 133 [3U] ISO bank: 686 x 438 x 133 [3U]
	Net Weight (kgs)	UPS unit: 20 Battery pack: 58	UPS unit: 20 Battery pack: 58 ISO bank: 61	UPS unit: 23.5 Battery pack: 65	UPS unit: 23.5 Battery pack: 65 ISO bank: 90
long-run Model	Dimension, D x W x H(mm)	606 x 438 x 133 [3U]	UPS unit: 606 x 438 x 133 [3U] ISO bank: 606 x 438 x 133 [3U]	686 x 438 x 133 [3U]	UPS unit: 686 x 438 x 133 [3U] ISO bank: 686 x 438 x 133 [3U]
	Net Weight (kgs)	20	UPS unit: 20 ISO bank: 61	23.5	UPS unit: 23.5 ISO bank: 90
ENVIRONMENT					
Operation Humidity		0-95 % RH @ 0- 40°C (Non-condensing)			
Noise Level		Less than 58dB @ 1 Meter		Less than 60dB @ 1 Meter	
MANAGEMENT					
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

*When using internal batteries from 18-19, the unit will de-rate according to below formula: $P=P_{Rating} \times N/20$
** If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.
* L means long-run model
Product specifications are subject to change without further notice