

# Galleon III Tower 1-3KVA



- High efficiency: 92% for 1kva, 93% for 2kva, 94% for 3kva
- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction 0.99
- Output power factor 1.0
- 50/60 Hz Frequency Converter Mode
- Wide input voltage (110 V – 300 V)
- ECO mode for energy saving
- Smart battery charger design to optimize battery performance
- Comprehensive display allows easy monitoring and access of UPS status
- SNMP/USB/RS-232 multiple communications
- Generator compatible

## Galleon III Online UPS Selection Guide

MODEL	Galleon III 1K-2B(L)	Galleon III 1K-3B(L)	Galleon III 2K-4B(L)	Galleon III 2K-6B(L)	Galleon III 3K(L)	
<b>PHASE</b>	Single phase with ground					
<b>CAPACITY *</b>	1000 VA / 1000 W		2000 VA / 2000 W		3000VA / 3000W	
<b>INPUT</b>						
Nominal Voltage	200*/208*/220/230/240 VAC					
Input Voltage Range	110 ~ 300 VAC (Based on load at 50%) 160 ~ 300 VAC (Based on load at 100%)					
Frequency Range	40 Hz ~ 70 Hz					
Power Factor	≥ 0.99 @ nominal voltage (100% load)					
THDi	≤ 5% @ nominal voltage (100% load)					
<b>OUTPUT</b>						
Output Voltage	200*/208*/220/230/240 VAC					
AC Voltage Regulation (Batt. Mode)	± 1 %					
Frequency Range (Synchronized Range)	50Hz system:47 ~ 53 Hz (60Hz system:57~63Hz)					
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz(60Hz ± 0.1 Hz)					
Current Crest Ratio	3:1					
Harmonic Distortion	≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC to DC	Zero				
	Inverter to Bypass	4 ms (Typical)				
	ECO to Battery mode	8 ms (Typical), 10 ms(max)				
Waveform (Batt. Mode)	Pure Sinewave					
<b>EFFICIENCY</b>						
ECO mode @ full charged battery	96%		97%			
AC Mode @ full charged battery	92% max.		93% max.		94% max.	
Battery Mode	88% max.	89% max.	88% max.	89% max.	91% max.	
<b>BATTERY</b>						
Standard Model	Battery Type	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
	Numbers	2	3	4	6	6
	Typical Recharge Time	4 hours recover to 90% capacity for internal battery				
	Charging Current (CC)	1 A				
Long-run Model	Charging Voltage (FV)	27.4VDC ± 1%	41.0VDC ± 1%	54.8VDC ± 1%	82.2VDC ± 1%	82.2VDC ± 1%
	Battery Type and Numbers	12V x 2 pcs	12V x 3 pcs	12V x 4 pcs	12V x 6 pcs	12V x 6 pcs
	Charging Current (max.)	6A (1A/2A/4A/6A adjustable by Jumper)				
	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.8VDC ± 1%	82.2VDC ± 1%	82.2VDC ± 1%
<b>INDICATORS</b>						
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator Via LCD					
<b>PHYSICAL</b>						
Standard Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	435 x 145 x 220	421 x 190 x 318	421 x 190 x 318
	Net Weight (kgs)	9.8	13.9	17	24.2	27.6
Long-run Model	Dimension, D x W x H (mm)	282 x 145 x 220			397 x 145 x 220	
	Net Weight (kgs)	4.1		6.8		7.4
<b>ENVIRONMENT</b>						
Humidity	20-95 % RH @ 0 - 40°C (non-condensing)					
Noise Level	Less than 50dBA @ 1 Meter with Fan speed control					
<b>MANAGEMENT</b>						
Smart RS-232 or USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC					
Optional external Slot (for SNMP, Dry contact, ...)	Power management from SNMP manager and web browser					
<b>STANDARD</b>						
EMC/Safety	CE (EMC: EN62040-2 C2)					

\* Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC. Product specifications are subject to change without further notice.

# Galleon III Tower 6 -10KVA



- Strong overload capability
- High efficiency up to 94%
- Built-in backfeed relay
- Built-in OVCD protection
- Large charger up to 8A for longrun model
- Output power factor 1
- Wide input voltage range (110-300 VAC)
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- ECO mode for energy saving
- Generator compatible
- Adjustable battery numbers
- Optional compatible with Lithium battery (192~240VDC)

## Galleon III Online UPS Selection Guide

MODEL		Galleon III 6K(L)		Galleon III 10K(L)	
PHASE		1 phase in / 1 phase out			
CAPACITY		6000 VA / 6000 W		10000 VA / 10000 W	
<b>INPUT</b>					
Nominal Voltage		208/220/230/240 VAC			
Voltage Range		110~300VAC ± 3 % at 50% load ; 176~300VAC ± 3 % at 100% load			
Frequency Range		46~54 Hz or 56~64 Hz 40 ~ 70 Hz (In generator mode)			
Power Factor		≥ 0.99 @ full load			
THDi		< 4% @100% Load ; < 6% @50% Load			
<b>OUTPUT</b>					
Output Voltage		208*/220/230/240 VAC			
AC Voltage Regulation (Batt. Mode)		± 1%			
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		≤ 1 % THD (Linear Load) ; ≤ 4 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Batt. Mode)		Pure Sinewave			
Overload	AC Mode	100-105% Continue, 105-125% for 10 min, 125%~150% 0.5min, >150% immediately			
	Battery Mode	100-110% 3min, 110-130% for 0.5 min, >130% immediately			
<b>EFFICIENCY</b>					
AC Mode		94%			
Battery Mode		92%			
<b>BATTERY</b>					
Standard Model	Battery Type	12 V / 7 Ah		12 V / 9 Ah	
	Numbers	16	20	16	20
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1.0 A			
Long-run Model	Battery Type	Lead Acid or optional Lithium battery			
	Numbers	16-20**			
	Charging Current (max.)	1A/2A/4A/6A/8A			
	Charging Voltage	Lead Acid Batery: (13.65VDC x battery number) ± 1% Lithium Battery: 192~240VDC settable			
<b>INDICATORS</b>					
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
<b>PHYSICAL</b>					
Standard Model	Dimension, DxWxH (mm)	442 x 190 x 688		442 x 190 x 688	
	Net Weight (kgs)	51.5	60.5	60	70
Long-run Model	Dimension, DxWxH (mm)	435 x 145 x 238			
	Net Weight (kgs)	8.6		9.7	
<b>ENVIRONMENT</b>					
Operating Humidity		20-95 % RH @ 0- 40°C (Non-condensing)			
Noise Level		Less than 55dB @1Meter		Less than 58dB @1Meter	
<b>MANAGEMENT</b>					
Smart RS-232/USB		Supports Windows® Family, Linux and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

\*Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.  
 \*\*When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power factor will be derated to 0.9  
 \*\*\*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..  
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