



Galleon Series

Double Conversion On-line Parallel System from 1KVA to 20KVA

- True double-conversion
- Output power factor 0.8
- Wide input voltage range (110 V -300 V)
- Programmable power management outlets
- 50/60 Hz Frequency Converter Mode
- ECO mode operation for energy saving
- Emergency Power Off (EPO) Function
- SNMP+USB+RS 232 multiple communications
- Smart battery charger design to optimize battery performance
- DSP technology applied for 6K and above models
- Maintenance bypass available for 6K and above models
- N+X parallel redundancy available for 6K and above models
- Adjustable battery numbers for 6K and above models
- Built-in isolation transformer (Option)



LCD Display Panel



A New Lifestyle with
NEUROPOWER™

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Galleon 1P/1P

Technical Specification

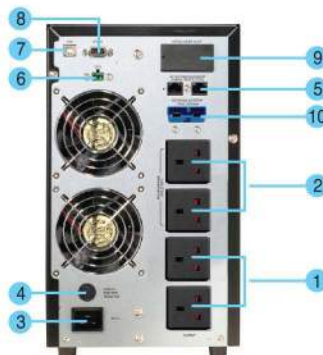
MODEL	Galleon 1K / 1KS	Galleon 1.5K / 1.5KS	Galleon 2K / 2KS	Galleon 3K / 3KS	Galleon 6K / 6KS	Galleon 10K / 10KS	
PHASE	Single phase in/Single phase out						
CAPACITY	1000 VA/800 W	1500 VA/1200 W	2000 VA/1600 W	3000 VA/2400 W	6000 VA/4800 W	10000 VA/8000 W	
INPUT							
Voltage Range	Low Line Transfer	160 VAC ± 5% or 80 VAC ± 5% @ 100% load 110 VAC ± 5% or 50 VAC ± 5% @ 50% load			176 VAC ± 3% @ 100% load 110 VAC ± 3% @ 50% load		
	Low Line Comeback	175 VAC ± 5% or 85 VAC ± 5% @ 100% load			186 VAC ± 3% @ 100% load 120 VAC ± 3% @ 50% load		
	High Line Transfer	300 VAC ± 5% or 150 VAC ± 5%			300 VAC ± 3%		
	High Line Comeback	290 VAC ± 5% or 145 VAC ± 5%			290 VAC ± 3%		
Frequency Range	40 Hz ~ 70 Hz				46 ~ 54 Hz or 56 ~ 64 Hz		
Power Factor	≥ 0.99 @ nominal voltage (100% load)				≥ 0.99 @ 100% load		
OUTPUT							
AC Voltage Regulation (Batt. Mode)	± 3%				± 1%		
Frequency Range (Synchronized Range)	47~53 Hz or 57~63 Hz				46 ~ 54 Hz or 56 ~ 64 Hz		
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz				50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio	3:1				3:1		
Harmonic Distortion	≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)		≤ 4 % THD (Linear Load) ≤ 7 % THD (Non-linear Load)		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)		
	Transfer Time	Zero				Zero	
Waveform (Batt. Mode)	AC Mode to Batt. Mode	4 ms (Typical)				Zero	
	Inverter to Bypass	Pure sine wave				Zero	
EFFICIENCY							
AC Mode	85%				88%		
Battery Mode	83%				89%		
BATTERY							
Standard Model	Battery Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 7 Ah	
	Numbers	3	3	6	6	20	
	Typical Recharge Time	4 hours recover to 90% capacity				7 hours recover to 90% capacity	9 hours recover to 90% capacity
	Charging Current (max.)	1.0 A				1.0 A	
Extended Runtime, KS Model	Charging Voltage	41.0 VDC ± 1%		82.1 VDC ± 1%		273.0 VDC ± 1%	
	Battery Type	Depending on applications				Depending on applications	
	Numbers	3	6	6	18-20		
	Charging Current (max.)	8.0 A		8.0 A		4.0 A	
Charging Voltage	41.0 VDC ± 1%		82.1 VDC ± 1%		273.0 VDC ± 1%		
	INDICATORS						
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions						
ALARM							
Battery Mode	Beeping every 4 seconds						
Low Battery	Beeping every second						
Overload	Beeping twice every second						
Fault	Continuously beeping						
PHYSICAL							
Standard Model	Dimension, DxWxH(mm)	397 x 145 x 220		421 x 190 x 318		592 x 250 x 576	
	Net Weight (kgs)	13	14	26	28	81	
Extended Runtime, KS Model	Dimension, Dx W x H(mm)	397 x 145 x 220		421 x 190 x 318		592 x 250 x 576	
	Net Weight (kgs)	7	13	13	25	27	
ENVIRONMENT							
Humidity	20-90 % RH @ 0- 40°C (non-condensing)						
Noise Level	Less than 45dB@ 1 Meter				Less than 58dB @ 1 Meter		
MANAGEMENT							
Smart RS-232	Supports Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux and MAC						
USB	Power management from SNMP manager and web browser						
Optional SNMP	Power management from SNMP manager and web browser						

*Derate to 60% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 208VAC.

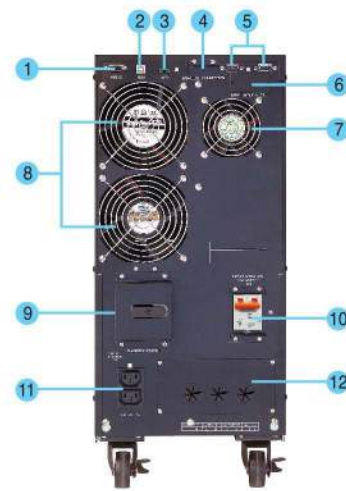
** KS mean extended runtime model



Galleon 1K/1KS, 1.5K/1.5KS - Rear Panel



Galleon 2/2KS, 3K/3KS - Rear Panel



1. Programmable outlets: connect to non-critical loads.
2. Output receptacles: connect to mission-critical loads.
3. AC input
4. Input circuit breaker
5. Network/Fax/Modem surge protection
6. Emergency power off function connector (EPO)
7. USB communication port
8. RS-232 communication port
9. Intelligent slot
10. External battery connection (only available for KS model)

1. RS-232 communication port
2. USB communication port
3. Emergency power off function connector (EPO connector)
4. Share current port (only available for parallel model)
5. Parallel port (only available for parallel model)
6. Intelligent slot
7. Charger fan
8. Power stage fan
9. Maintenance bypass switch
10. Input circuit breaker
11. Output receptacles: connect to mission-critical loads
12. Input/Output terminal

Galleon Rackmount



- True double-conversion
- Wide input voltage range (110-300 VAC)
- Input factor correction 0.99
- Output Power Factor 0.8
- 50Hz/60Hz frequency converter mode
- Programmable power management outlets
- Emergency power off function (EPO)
- Eco mode operation for energy saving (ECO)
- Charger capacity expansion to 8A for extended runtime models
- SNMP+USB+RS-232 multiple communications
- Smart battery charger design for optimized battery performance
- Selectable output voltage via LCD panel
- Optional isolation transformer offers full isolation and complete common mode noise rejection
- Optional rackmount slider



Galleon-Rack 1k 4IEC



Galleon-Rack 3K - 6IEC



Galleon-Rack 6K - 10K rack

Technical Specification

MODEL	Galleon 1KR/ 1KSR		Galleon 2KR / KSR		Galleon 3KR / KSR		Galleon 6KR / KSR		Galleon 10KR /KSR			
PHASE	Single phase with ground											
CAPACITY	1000 VA/800 W		2000 VA/1600 W		3000 VA/2400 W		6000 VA / 4800 W		10000 VA/8000 W			
INPUT												
Voltage Range	Low Line Transfer	160 VAC ± 5% or 80 VAC ± 5% @ 100% load 110 VAC ± 5% or 50 VAC ± 5% @ 60% load				176 VAC ± 3% @ 100% load 110 VAC ± 3% @ 50% load						
	Low Line Comeback	170 VAC ± 5% or 85 VAC ± 5% @ 100% load				186 VAC ± 3% @ 100% load 120 VAC ± 3% @ 50% load						
	High Line Transfer	300 VAC ± 5 % or 150 VAC ± 5 %				300 VAC ± 3%						
	High Line Comeback	290 VAC ± 5 % or 145 VAC ± 5 %				290 VAC ± 3%						
Frequency Range	45Hz ~ 55 Hz or 56Hz ~ 65 Hz				46 ~ 54 Hz or 56 ~ 64 Hz							
Power Factor	≥ 0.99				≥ 0.99 @ 100% load							
OUTPUT												
AC Voltage Regulation (Batt. Mode)	± 1%				± 1%							
Frequency Range (Synchronized Range)	48~52 Hz or 58~62 Hz				46 ~ 54 Hz or 56 ~ 64 Hz							
Frequency Range (Batt. Mode)	50 Hz ± 0.2 Hz or 60Hz ± 0.2 Hz				50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz							
Current Crest Ratio	3 : 1				3 : 1							
Harmonic Distortion	≤ 2 % THD (Linear Load) 8% max. (Batt. mode before shut down)				≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)							
Transfer Time	AC Mode to Batt. Mode	Zero				Zero						
	Inverter to Bypass	4 ms (Typical)				Zero						
Waveform (Batt. Mode)	Pure sine wave											
EFFICIENCY												
AC Mode	86%		88%		88%		89%		88%			
Battery Mode	83%		85%		85%		88%		88%			
BATTERY												
Standard Model	Battery Type	12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah		12 V / 7 Ah		12 V / 9 Ah		
	Numbers	2		4		6		20		20		
	Typical Recharge Time	4 hours recover to 90% capacity				3 hours recover to 90% capacity				4 hours recover to 90% capacity		
	Charging Current (max.)	1.0 A				2.0 A						
Extended Runtime KS Model	Battery Type	Depending on the capacity of external batteries				Depending on applications						
	Numbers					18-20						
	Charging Current (max.)	8.0 A				2.0 A						
	Charging Voltage	41.1 VDC ± 1%		82.1 VDC ± 1%		273.0 VDC ± 1%						
INDICATORS												
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions											
ALARM												
Battery Mode	Beeping every 4 seconds											
Low Battery	Beeping every second											
Overload	Beeping twice every second											
Fault	Continuously beeping											
PHYSICAL												
Standard Model	Dimension, DxWxH(mm)	380 x 438 x 88	480 x 438 x 88	600 x 438 x 88	600 x 438 x 88 (2U)	UPS Unit: 580 x 438 x 133 (3U) Battery Pack: 580 x 438 x 133 (3U)			UPS Unit: 668 x 438 x 133 (3U) Battery Pack: 580 x 438 x 133 (3U)			
	Net Weight (kgs)	13.2	18.4	20.6	25.7	29			UPS Unit: 17, Battery Pack: 57			
Extended Runtime KS Model	Dimension, Dx W x H(mm)	380 x 438 x 88	480 x 438 x 88	600 x 438 x 88	600 x 438 x 133 (2U)	580 x 438 x 133 (3U)			668 x 438 x 133 (3U)			
	Net Weight (kgs)	9.1	11.3	11.3	14.6	14.8			17			
ENVIRONMENT												
Humidity	20-90 % RH @ 0- 40°C (non-condensing)											
Noise Level	Less than 50dB@ 1 Meter				Less than 55dBA @ 1 Meter			Less than 58dBA @ 1 Meter				
MANAGEMENT												
Smart RS-232	Supports Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux and MAC											
USB												
Optional SNMP	Power management from SNMP manager and web browser											

*Derate to 60% of capacity in CVCF mode and 90% when the output voltage is adjusted to 208VAC.

** 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.

* KS mean extended runtime model

Galleon 3P/1P



Galleon 3/1-20K Galleon 3/1 10KS / 15K
Galleon 3/1 20KS

- True double-conversion
- DSP technology guarantees high performance
- Output Power Factor 0.8
- Wide input voltage range (110-300 VAC)
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- Eco mode operation for energy saving (ECO)
- Programmable power management outlets
- Emergency power off function (EPO)
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Maintenance bypass available
- N+X parallel redundancy

Technical Specification

MODEL		Galleon 3C 10K/KS	Galleon 3C 15K/KS	Galleon 3C 20K/KS	Galleon 3C 30K/KS
PHASE		3 phase in / 1 phase out			
CAPACITY		10000 VA/8000 W	15000 VA/12000W	20000 VA/16000 W	30000 VA/24000 W
INPUT					
Voltage Range	Low Line Transfer	176 VAC (phase voltage) \pm 3% @ 100%load 110VAC (phase voltage) \pm 3% @ 50%load			
	Low Line Comeback	186 VAC (phase voltage) \pm 3 % @ 100% load 120 VAC (phase voltage) \pm 3 % @ 50% load			
	High Line Transfer	300 VAC (phase voltage) \pm 3%			
	High Line Comeback	290 VAC (phase voltage) \pm 3%			
Frequency Range		46-54Hz or 56-64Hz			
Power Factor		\geq 0.99 @ 100% load			
OUTPUT					
AC Voltage Regulation (Batt. Mode)		\pm 1%			
Frequency Range (Synchronized Range)		46-54Hz or 56-64Hz			
Frequency Range (Batt. Mode)		50 Hz \pm 0.1 Hz or 60 Hz \pm 0.1 Hz			
Current Crest Ratio		3:1			
Harmonic Distortion		\leq 2 % THD (Linear Load) \leq 6 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Batt. Mode)		Pure sine wave			
EFFICIENCY					
AC Mode		90%			
Battery Mode		88%			
BATTERY					
Standard Model	Battery Type	12 V / 9 Ah			
	Numbers	20 pcs	20 pcs x 2 strings	20 pcs x 3 strings	
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1A	2A	4A	
Extended Runtime, KS Model	Battery Type	Depending on applications			
	Numbers	18 - 20			
	Charging Current (max.)	4A	8A	12A	
	Charging Voltage	273 VDC \pm 1 %			
INDICATORS					
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM					
Battery Mode		Beeping every 4 seconds			
Low Battery		Beeping every second			
Overload		Beeping twice every second			
Fault		Continuously beeping			
PHYSICAL					
Standard Model	Dimension, D x W x H(mm)	592 x 250 x 576	862 x 250 x 826	815 x 300 x 1000	
	Net Weight (kgs)	86	139	234	
Extended Runtime, KS Model	Dimension, D x W x H(mm)	592 x 250 x 576	592 x 250 x 576	815 x 250 x 826	
	Net Weight (kgs)	30	37	64	
ENVIRONMENT					
Humidity		20-90 % RH @ 0- 40°C (non-condensing)			
Noise Level		Less than 58dB @ 1 Meter	Less than 60dB @ 1 Meter		
MANAGEMENT					
Smart RS-232		Supports Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux and MAC			
USB					
Optional SNMP					

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC.

**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.

***KS mean Extended runtime model

• 2 years for full warranty against manufacturing defects.

Nationwide Service Network:

NEUROPOWER™



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