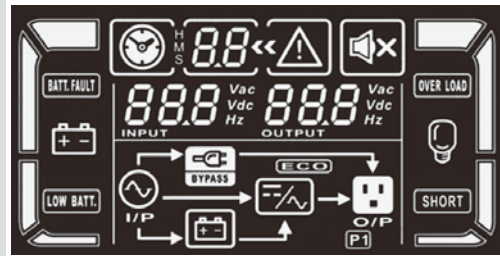


Galleon



LCD Display Panel



- **True double-conversion**

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 0.8**

Compared to the online UPSs in the current market, Galleon series provides better output power factor up to 0.8. It offers higher performance and efficiency for critical applications.

- **Wide input voltage range (110 V -300 V)**

Galleon can still provide stable power to connected devices under unstable power environments.

- **Programmable power management outlets**

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 mode operation for energy saving**

Offers efficiency as high as 97% to cut energy usage & cost. UPS power application via static bypass, timely returning to online double conversion when the need arises.

- **Emergency Power Off (EPO) Function**

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

- **SNMP+USB+RS-232 multiple communications**

This feature allows either USB or RS-232 communication port to work with SNMP interface simultaneously.

- **Smart battery charger design to optimize battery performance**

- Galleon 1-3K series is equipped with **2-stage charger design** to guarantee battery discharge time. Besides, it will adjust charging voltage according to outside temperature. This features will extend the useful service life of batteries.
- Galleon 6K and up models are equipped with **3-stage extendable charger** for optimized battery performance. This feature extends the useful service life of batteries and optimizes battery recharge time. Besides, the extendable charger design can be stacked in numbers for large-capacity battery charging.

- **Maintenance bypass available for 6K and up models**

Internal bypass assures continuous power to critical devices during UPS maintenance.

- **Optional N+X parallel redundancy available for 6K and up models**

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

- **Adjustable battery numbers for 6K and up models**

Galleon (6K and up models) can still normal operate well with only 18 or 19 internal batteries.

- **Built-in isolation transformer (Option)**

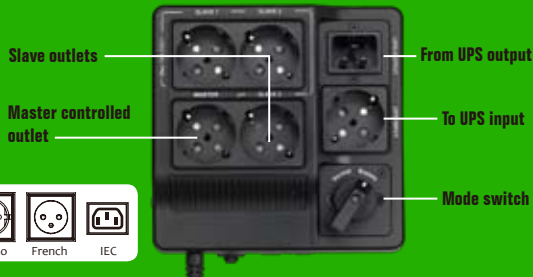
With built-in isolation transformer, the UPS will offer full isolation and complete common mode noise rejection for connected precious equipment. It become an ideal power source with 100% protection against unexpected AC power problems.

- **Active Power Factor Correction in all phases for 3 phase in/1 phase out 10KVA to 20KVA**

Active PFC improves power quality and increase the energy efficiency.

External Maintenance Bypass Switch

Remote Control & Monitoring Agent



- * Ultra-compact, light and fast tool to remotely monitor and manage any UPS system
- * Supports multiple languages and web-based auto language detection.

GALLEON 1K/1.5K/2K/3K ONLINE UPS SELECTION GUIDE

| MODEL | Galleon 1K (L) | Galleon 1.5K (L) | Galleon 2K (L) | Galleon 3K (L) | |
|--------------------------------------|--|--|-----------------------------|-----------------|--|
| Phase | Single phase in/Single phase out | | | | |
| CAPACITY | 1000 VA/800 W | 1500 VA/1200 W | 2000 VA/1600 W | 3000 VA/2400 W | |
| INPUT | | | | | |
| Voltage Range | Low Line Transfer | 160 VAC / 140 VAC / 120 VAC / 110 VAC ± 5 % 80 VAC / 70 VAC / 60 VAC / 50 VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0) | | | |
| | Low Line Comeback | 175 VAC ± 5 % or 85 VAC ± 5 % | | | |
| | High Line Transfer | 300 VAC ± 5 % or 150 VAC ± 5 % | | | |
| | High Line Comeback | 290 VAC ± 5 % or 145 VAC ± 5 % | | | |
| Frequency Range | 40 Hz ~ 70 Hz | | | | |
| Power Factor | ≥ 0.95 | | | | |
| OUTPUT | | | | | |
| AC Voltage Regulation (Batt. Mode) | ± 3% | | | | |
| Frequency Range (Synchronized Range) | 47.5~52.5 Hz or 57~63 Hz | | | | |
| Frequency Range (Batt. Mode) | 50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz | | | | |
| Current Crest Ratio | 3:1 | | | | |
| Harmonic Distortion | ≤ 3 % THD (Linear Load) | | ≤ 4 % THD (Linear Load) | | |
| | ≤ 6 % THD (Non-linear Load) | | ≤ 7 % THD (Non-linear Load) | | |
| Transfer Time | AC Mode to Batt. Mode | Zero | | | |
| | Inverter to Bypass | 4 ms (Typical) | | | |
| Waveform (Batt. Mode) | Pure sine wave | | | | |
| EFFICIENCY | | | | | |
| AC Mode | 85% | | 88% | | |
| Battery Mode | 83% | | | | |
| BATTERY | | | | | |
| Standard Model | Battery Type | 12 V / 7 Ah | 12 V / 9 Ah | 12 V / 7 Ah | 12 V / 9 Ah |
| | Numbers | 3 | 3 | 6 | 6 |
| | Typical Recharge Time | 4 hours recover to 90% capacity | | | |
| | Charging Current (max.) | 1.0 A | | | |
| Long-run Model | Charging Voltage | 41.0 VDC ± 1% | | 82.1 VDC ±1% | |
| | Battery Type | Depending on the capacity of external batteries | | | |
| | Numbers | | | | |
| | Charging Current (max.) | 8.0 A | | | |
| Charging Voltage | 41.0 VDC ± 1% | | 82.1 VDC ±1% | | |
| 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 | Continuously sounding | | | | |
| PHYSICAL | | | | | |
| Standard Model | Dimension,DXWXH(mm) | 397 x 145 x 220 | | 421 x 190 x 318 | |
| | Net Weight (kgs) | 13.2 | 14 | 26 | 28.6 |
| Long-run Model | Dimension,DXWXH(mm) | 397 x 145 x 220 | | 421 x 190 x 318 | |
| | Net Weight (kgs) | 6.9 | | 13 | |
| ENVIRONMENT | | | | | |
| Operation Humidity | 20-90 % RH @ 0- 40°C (non-condensing) | | | | |
| Noise Level | Less than 45dB@ 1 Meter | | | | |
| MANAGEMENT | | | | | |
| Smart RS-232 | Supports Windows® 98/2000/2003/XP/Vista/2008 | | | | |
| USB | | | | | |
| Optional SNMP | | | | | Power management from SNMP manager and web browser |

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

** L means long-run model

GALLEON 6K-20K ONLINE UPS SELECTION GUIDE

| MODEL | | Galleon 6K (L) | Galleon 10K (L) | Galleon 3/1-10K (L) | Galleon 3/1-20K (L) |
|--------------------------------------|-------------------------|--|---------------------------------|---|--------------------------|
| Phase | | Single phase in/Single phase out | | 3 phase in / 1 phase out | |
| CAPACITY | | 6000 VA/4800 W | 10000 VA/8000 W | 10000 VA/8000 W | 20000 VA/16000 W |
| INPUT | | | | | |
| Voltage Range | Low Line Transfer | 176 VAC @ 100% load 110 VAC @ 50% load | | 176 VAC (phase voltage)@ 100%load 110VAC (phase voltage)@ 50%load | |
| | Low Line Comeback | 186 VAC @ 100% load 120 VAC @ 50% load | | 186 VAC (phase voltage) @ 100% load 120 VAC (phase voltage) @ 50% load | |
| | High Line Transfer | 300 VAC | | 300 VAC (phase voltage) | |
| | High Line Comeback | 290 VAC | | 290 VAC (phase voltage) | |
| Frequency Range | | 46-54Hz or 56-64Hz | | 46-54Hz or 56-64Hz | |
| Power Factor | | ≥ 0.99 @ 100%load | | ≥ 0.99 @ 100%load | |
| OUTPUT | | | | | |
| AC Voltage Regulation (Batt. Mode) | | ± 1% | | ± 1% | |
| Frequency Range (Synchronized Range) | | 46-54 Hz or 56-64 Hz | | 46-54Hz or 56-64Hz | |
| Frequency Range (Batt. Mode) | | 50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz | | 50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz | |
| Current Crest Ratio | | 3:1 (max.) | | 3:1 | |
| Harmonic Distortion | | ≤ 2 % THD (Linear Load) ≤ 6 % THD (Non-linear Load) | | ≤ 2 % THD (Linear Load) ≤ 6 % THD (Non-linear Load) | |
| Transfer Time | AC Mode to Batt. Mode | Zero | | Zero | |
| | Inverter to Bypass | Zero | | Zero | |
| Waveform (Batt. Mode) | | Pure sine wave | | | |
| EFFICIENCY | | | | | |
| AC Mode | | 89% | | 90% | |
| Battery Mode | | 88% | | 88% | |
| BATTERY | | | | | |
| Standard Model | Battery Type | 12 V / 7 Ah | 12 V / 9 Ah | 12 V / 9 Ah | 12 V / 9 Ah |
| | Numbers | 20 | 20 | 20 | 40 |
| | Typical Recharge Time | 7 hours recover to 90% capacity | 9 hours recover to 90% capacity | 9 hours recover to 90% capacity | |
| | Charging Current (max.) | 1.0 A | | 1A | 2A |
| | Charging Voltage | 273.0 VDC | | 273.0 VDC | |
| Long-run Model | Battery Type | Depending on applications | | | |
| | Numbers | 18 - 20 | | | |
| | Charging Current (max.) | 4.0 A | | 4A | 8A |
| | Charging Voltage | 273.0 VDC | | 273.0 VDC | |
| 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 | | Continuously sounding | | | |
| PHYSICAL | | | | | |
| Standard Model | Dimension,DXWXH(mm) | 592 x 250 x 576 | | 592 x 250 x 576 | 862 x 250 x 826 |
| | Net Weight (kgs) | 81 | 83 | 86 | 139 |
| Long-run Model | Dimension,DXWXH(mm) | 592 x 250 x 576 | | 592 x 250 x 576 | 592 x 250 x 576 |
| | Net Weight (kgs) | 25 | 27 | 30 | 37 |
| ENVIRONMENT | | | | | |
| Operation Humidity | | 20-90 % RH @ 0- 40°C (non-condensing) | | | |
| Noise Level | | Less than 55dB @ 1 Meter | Less than 58dB @ 1 Meter | | Less than 60dB @ 1 Meter |
| MANAGEMENT | | | | | |
| Smart RS-232 | | Supports Windows® 98/2000/2003/XP/Vista/2008 | | | |
| 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.

***L means long-run model