Galleon One LiFePO4 RT

- True double-conversion
- Generator compatible
- Output power factor 0.9
- Fast battery recharge time
- Charging current is selectable through LCD
- Input power factor correction
- More than 8 min full load backup time
- Easy battery replacement design
- Long battery lifecycle > 2000
- Built-in protection circuit in battery pack with UL 1973 (MH63914) certified
- UN38.3 for battery transportation

Galleon One LiFePO4 RT UPS Selection Guide

MODEL		Galleon One LiFePO4 RT 1K	Galleon One LiFePO4 RT 1.5K	Galleon One LiFePO4 RT 2K	Galleon One LiFePO4 RT 3K
PHASE		Single phase with ground			
CAPACITY		1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT					
Nominal Voltage		100/110/115/120 /127 VAC or 200/208/220/230/240 VAC			
Voltage Range		55~150 VAC ± 3% or 110~300 VAC ± 3% at 50% load ; 80~150 VAC ± 3% or 160~300 VAC ± 3% at 100% load			
Frequency Range		40Hz ~ 70Hz			
Power Factor		≧ 0.99 @ nominal voltage (100% load)			
THDi		≦ 5% @ nominal input voltage			
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)		57~63Hz or 47 ~ 53 Hz			
Frequency Range (Batt. Mode)		60 Hz ± 0.1 Hz or 50Hz ± 0.1 Hz			
Current Crest Ratio		3:1			
Harmonic Distortion		≦ 2 % THD (Linear Load) ; ≦ 4 % THD (Non-linear Load)			
Transfer Time	AC to Battery Mode	Zero			
	Inverter to Bypass	<4 ms (Typical)			
	ECO to Battery Mode	8 ms (Typical)			
Waveform (Batt. Mode)		Pure Sinewave			
EFFICIENCY					
AC Mode		89% @ full charged battery		90% @ full charged battery	
ECO Mode		≧ 96% @ full charged battery			
Battery Mode		87%		89%	90%
BATTERY					
Battery Type**		LiFe 247500	LiFe 485000	LiFe 485000	LiFe 722500
Battery Lifecycle		> 2000			
Single Cell Type		LFP26650P-260			
Battery Numbers**		1	1	2	3
Battery Cell Configuration		8S3P	15S2P	(15S2P) x 2	(24S1P) x 3
Battery Voltage		25.6V	48V	48V	76.8V
Battery VAH (Factory Setting)		7.5Ah	5Ah	10Ah	7.5Ah
Autonomy Time @ Full Load		9.5 minutes	8 minutes	12 minutes	9.5 minutes
Charging Voltage		28VDC ± 1%	52.5VDC ± 1%	52.5VDC ± 1%	84VDC ± 1%
Charging Mode		2 stage charging management(CC-CV)			
Charging Current		1/2/4/6/8A(max.), adjustable through LCD			
Typical Recharge Time		1.5 hours recover to 90% capacity			
PHYSICAL					
Dimension,DxWxH(mm)		410 x 438 x 88	410 x 438 x 88	510 x 438 x 88	630 x 438 x 88
Net Weight (kgs)		10.8	11.6	15.2	20.5
ENVIRONMENT					
Operating Humidity		20-95 % RH @ 0- 40°C (non-condensing)			
Noise Level		Less than 50dBA		Less than 55dBA	
MANAGEMENT					
Smart RS-232,USB		Supports Windows 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix and MAC			
SNMP		Power management from SNMP manager and web browser			
STANDARD					
EMC/Safety		CE (EMC: EN62040-2 C2) for HV models, FCC (Class A) for LV models, Battery Pack comply to UL1973			

*Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.
**Battery type and numbers can be adjusted upon customer's request.
Product specifications are subject to change without further notice

Voltronic Power
Advancing Power

Galleon One LiFePO4 Tower

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PHYSICAL					
Dimension,DxWxH(mm)		397 x 158 x 220	397 x 158 x 220	480 x 158 x 220	590 x 190 x 318
Net Weight (kgs)		9.8	10.7	15.7	21.8
ENVIRONMENT					
Operating Humidity		20-95 % RH @ 0- 40°C (non-condensing)			
Noise Level		Less than 50dBA		Less than 55dBA	
MANAGEMENT					
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