

Your Smart choice for UPS

Hercules Geries

Features

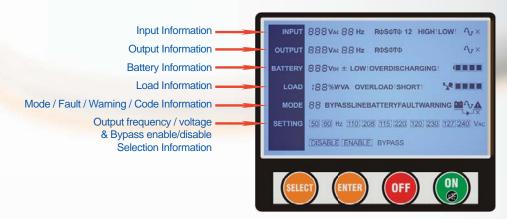
- DSP Control
- 0.8 Output Power Factor
- Wide Input Range
- High Efficiency Mode (ECO)
- Frequency Converter Mode
- Input THDI < 5%
- Output THDv < 3%
- Auto Self-Testing System
- Extendable Run Time
- Fan Speed Control
- Free Power Manangement Software
- Multiple Communication Port
- Optional SNMP & Relay Cards
- Wide operating environment 0-45 celsious
- Optional Over Voltage Cut-Off device (OVCD) for Tough environment



HE2000, HE3000

HE1000

Trendy & Elegant LCD Design for real-time UPS system information



Hercules series, built for the most reliability, purity and power

Hercules Series UPS make use of the unique True Online Double Conversion circuitry to detect the electricity current and voltage output of utility power supply. The current is input via high frequency PWM to maintain uniform wave form and phase in line with the voltage, so as to attain high input power factor over to 0.99 and avoid generating comparatively significant harmonic interference on the power network.

With the use of the outstanding IGBT as the power convertion component, the operating frequency of the Inverter of UPS is capable of reaching tens of KHz, due to the high frequency operating characteristics of IGBT. Higher working efficiency of the inverter also improves the overall efficiency of UPS and higher inversion frequency reduces the noise of the inverter as well. Due to its components margins are increased, Hercules is suitable for higher temperature environment up to 45 celsious.

Product Information



MODEL			HE1000	HE1000S	HE2000	HE2000S	HE3000	HE3000S	
CAPACITY	VA/WATT		1000VA/800W (PF0.8) 2000VA/1600W (PF0.8) 3000VA/2400W (PF0.8)					00W (PF0.8)	
INPUT	Voltage Range		110 (±3%) - 300 (±3%) VAC						
	Frequency Range		50 Hz ± 10% (Auto sensing)						
	Phase		Single phase with ground						
	Current THDI		<5%						
	Power Factor		≥0.99						
	Generator Input		1.5 x UPS Rating Power						
OUTPUT	Voltage Range		220 VAC ± 1%						
	Phase		Single phase with ground						
	Frequency (Synchonized Range)		50 Hz ± 10%						
	Frequency (Battery Mode)		50 Hz ± 0.1%						
	Current Crest Ratio		3:1						
	Harmonic Distortion		< 3% THD (Linear Load)						
	Protection		Short Circuit Protection						
	Output Waform		Pure Sinewave						
	Outlet		Thai Universal						
		Line Mode	1 min @ 105%~110% ; 30 sec @ 110% ~ 125% ; 10 sec @ 125%~ 150% ; 1 sec @ > 150%						
	Overload	Battery	1 min @ 105%~110%; 30 sec @ 110% ~ 125%; 10 sec @ 125%~ 150%; 1 sec @ > 150% 1 min @ 105%~110%; 20 sec @ 110% ~ 125%; 8 sec @ 125%~ 150%; 1 sec @ > 150%						
	Mode			•	Sec @ 11070 * 120			JO 70	
EFFICIENCY	AC Mode / Battery Mode		> 87% / >84%						
BATTERY	ECO mode Number of Batteries					95%			
	Per Set		3	Depending on the capacity of external batteries	8	Depending on the capacity of external batteries	8	Depending on the capacity of external batteries	
	Battery Capacity (Ahr)		12V/(7/9)Ahr		12V/(7/9)Ahr		12V/(7/9)Ahr		
	Backup Time (depend on load)		>15 min		>15 min		>15 min		
	Recharge Time (to 90%)		5 Hours		5 Hours		5 Hours		
	Charging Current (Max.)		1.0A	4.0/8.0A	1.0A	4.0/8.0A	1.0A	4.0/8.0A	
	Rated Battery Voltage		41.1 Vdc ± 0.6V 110 Vdc ± 0.4V						
	Battery Type		Sealed Lead Acid Maintenance Free						
RANSFER TIME	AC to DC		Zero						
NDICATOR	LCD		Input information: Voltage / Frequency / High Voltage / Low Voltage / Utility Present / Utility Lost, Output information Voltage / Frequency / Utility Present / UtilityLost, Load information: %Watt / % VA / Overload / Short circuit / Load leve Battery information: Voltage / Battery Level / Low / Over charging / Discharging, Mode information: Bypass / Line / Batter / Fault / Warning / Operating-Fault-Warning Code / Operating Mode Icon / Bypass configure: enable-disable						
AUDIBLE ALARM	Battery Mode		Sounding every 4 seconds						
	Low Battery		Sounding every second						
	Overload		Sounding twice every second						
	Fault		Continuously Sounding						
IMENSION	W x H x D mm		145 x 22	0 x 400		192 x 347 x 460			
EIGHT	kg		14	7 ex.bat	34.5	15 ex.bat	35.5	16 ex.bat	
ENVIRONMENT	Operating Environment		0-45° C						
	Relative Humidity		0-90% (NON-CONDENSING)						
	Noise Level		<45dB @ 1 Meter <50dB @ 1 Meter						
INTERFACE	USB (built-in) / RS-232		Software supports Windows Family, Linux, Sun Solaris, IBM AIX, Compaq True64, SGI IRIX, FressBSD, HP-UX and MA						
	Smart Slot (Option)		SNMP Adapter/ AS400 Relay Card / RS485 / USB						
NTERNATIONAL TANDARDS	CE	(Option)	Low Voltage Directive (Safety): EN62040-1-1 EMC Directive: EN62040-2, EN61000-2-2, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8						

Specification are subject to change without prior notice.







