

Product Information

Hercules Series

MODEL		HE1000	HE1000S	HE2000	HE2000S	HE3000	HE3000S
CAPACITY	VA/WATT	1000VA/800W (PF0.8)		2000VA/1600W (PF0.8)		3000VA/2400W (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 (Synchronized 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					
	Overload Capacity	Line Mode	1 min @ 105%~110% ; 30 sec @ 110% ~ 125% ; 10 sec @ 125%~ 150% ; 1 sec @ > 150%				
	Battery Mode	1 min @ 105%~110% ; 20 sec @ 110% ~ 125% ; 8 sec @ 125%~ 150% ; 1 sec @ > 150%					
EFFICIENCY	AC Mode / Battery Mode	> 87% / >84%		> 88% / >85%			
	ECO mode	> 95%					
BATTERY	Number of Batteries 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					
TRANSFER TIME	AC to DC	Zero					
INDICATOR	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 level, Battery information: Voltage / Battery Level / Low / Over charging / Discharging, Mode information: Bypass / Line / Battery / 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					
DIMENSION	W x H x D mm	145 x 220 x 400		192 x 347 x 460			
WEIGHT	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 MAC					
	Smart Slot (Option)	SNMP Adapter/ AS400 Relay Card / RS485 / USB					
INTERNATIONAL STANDARDS	CE	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.



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