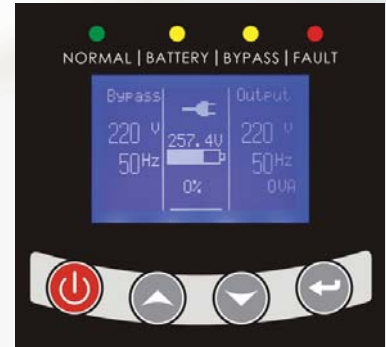


Hercules Tower Series

SmartPower
Your Smart choice for UPS

**HIGH PERFORMANCE
TRUE ONLINE DOUBLE CONVERSION UPS**

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



Features

- DSP Control
- 0.9 Output Power Factor
- Wide Input Range
- High Efficiency Mode (ECO)
- Frequency Converter Mode
- Input THDI < 5%
- Output THDv < 2%
- Output Voltage Regulation < 1%
- N+X Parallel Redundancy
- Dot Matrix LCD Display
- Maintenance bypass switch
- Battery Remaining Time Display
- Extendable Run Time
- Fan Speed Control
- Multiple Communication Port Simultaneously
- Over Voltage Cut-Off device (OVCD) for Tough environment
- Emergency Power Off (EPO)
- Short Circuit Clearance with current limit
- Optional SNMP & Relay Cards
- Free Power Management Software for Standalone LAN & WAN

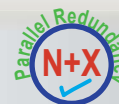
Hercules series, built for the most reliability, purity and power

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 conversion 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.

Product Information

Hercules Tower Series



MODEL		HE6k	HE6kS	HE10k	HE10kS
CAPACITY	VAWATT	6000VA/5400W (PF0.9)		10000VA/9000W (PF0.9)	
INPUT	Voltage Range	110 - 276 VAC			
	Frequency Range	45-55Hz / 54-66Hz			
	Phase	Single phase with ground			
	Current THDI	<5%			
	Power Factor	≥ 0.99			
	Generator Input	1.5 x UPS Rating Power			
OUTPUT	Voltage Range	208VAC/220VAC/230VAC/240VAC (± 1%)			
	Phase	Single phase with ground			
	Frequency (Synchronized Range)	45-55Hz/54-66Hz			
	Frequency (Battery Mode)	50/60Hz ± 0.05Hz			
	Current Crest Ratio	3:1			
	Harmonic Distortion	≤ 2% THD (Linear Load)			
	Protection	Short Circuit Protection			
	Output Waform	Pure Sinewave			
	Outlet	Terminal Block			
	Overload Capacity	Line Mode	2 min @ 105%~125% ; 30 sec @ 125% ~ 150% ; 1 sec @ > 150%		
	Battery Mode				
EFFICIENCY	AC Mode / Battery Mode	> 92% / >92 %			
	ECO mode	> 96%			
BATTERY	Number of Batteries Per Set	20	Depending on the capacity of external batteries	20	Depending on the capacity of external batteries
	Battery Capacity (Ahr)	12V/(7/9)Ahr		12V/(7/9)Ahr	
	Backup Time (depend on load)	>15 min		>15 min	
	Recharge Time (to 90%)	5 Hours		5 Hours	
	Charging Current (Max.)	1.2A	4.0A	1.2A	4.0A
	Rated Battery Voltage	240 Vdc			
	Battery Type	Sealed Lead Acid Maintenance Free			
TRANSFER TIME	AC to DC	Zero			
Parallel	N+X Parallel Redundancy	Max 4 (Load Sharing)			
INDICATOR	LCD & LED	For LED: Bypass mode,UPS on,Line mode,Battery Mode, HE mode,Battery test mode,Fault mode,Waring mode For LCD: Input/Output Voltage&Frequency, Load level,Load Watt,Battery Voltage,Battery status,Converter mode, Battery Remaining Time, UPS status, Fault indicator, etc.			
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	260 x 708 x 550			
WEIGHT	kg	86	34 ex.bat	92	37 ex.bat
ENVIRONMENT	Operating Environment	0-40° C			
	Relative Humidity	0-95% (NON-CONDENSING)			
	Noise Level	<50dB @ 1 Meter		<55dB @ 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	Safety (IEC62040-1-1), ESD (IEC61000-4-2 L4),RS (IEC61000-4-3 L3),EFT (IEC61000-4-4 L4), Surge (IEC61000-4-5 L4), Conduction (IED 62040-2 C3), Radiation (IEC62040-2 C3), Transportation (ETS300019-2-2 Class 2.3), Protection (IP20 static)			

Specification are subject to change without prior notice.



The Sun Power Co.,Ltd.

31 Soi Prachautit 59, Yeak 5, Tel. 02-872-9501/4 Fax.02-872-9505

Bangmod, Thungkru, WWW.THESUNPOWER.CO.TH

Bangkok 10140 THAILAND. Email. SaleContact@thesunpower.co.th