














The UPS of Hercules series is ideal for the protection of Mission Critical systems both in the telecommunications field and Data Center applications, where the risks connected to the power supply can compromise the continuity of service with evident risks for users and high costs.

The series is available in several models with single-phase or three-phase input and output, with double conversion On Line technology, as defined by the IEC EN 62040-3 standard.

Hercules series is designed and built with latest generation technologies and components, to ensure maximum protection of the power consumers, no impact on the power line and promote consistent energy savings thanks to top-class performance.

#### FEATURES

-  On-line double conversion
-  Transfer time 0ms
-  PFC e DSP technology
-  Power Factor >0,9
-  Rectifier, Inverter and Battery charger are fully digital controlled
-  ECO Mode
-  Wide input range
-  Protection against overload and short circuit
-  EPO
-  SNMP card and Dry Contact (Optional)
-  Communication ports: USB, RS232, RS485

**UPS HERCULES PLUS 6kVA÷2080kVA**

Modular UPS N+M – Hot Swap 3U

Mission Critical for Data Center

MODEL		Hercules Plus
Capacity	UPS	da 200kVA (288kW) a 2.000kVA (1.800kW)
	Modulo	40kVA / 36kW
INPUT	Nominal voltage	380/400/415Vac, (3Ph+N+PE)
	Operating voltage range	208~478Vac
	Operating frequency range	40 ~ 70Hz
	Power factor	≥0.99
	Harmonic distortion (THDi)	≤3% (100% non-linear load)
	Bypass voltage range	Max. voltage: +15%
		Min. voltage: -45%
Generator input	Supported	
OUTPUT	Output voltage	380/400/415Vac, (3Ph+N+PE)
	Voltage precision	±1%
	Power factor	>0,9
	Output frequency	1.Line Mode: ±1%, ±2%, ±4%, ±5%, ±10% 2.Battery Mode: 50/60±0.1 (Hz)
	Crest factor	3:1
	Harmonic distortion (THD)	≤2% with linear load
		≤5% with non linear load
Efficiency		>96.0%
BATTERY	Battery voltage	±192Vdc, ±204V, ±216V, ±228V, ±240V
	Charge Current(A)	Single Module : max 10A Cabinet: 10A x n° Module installed (recharge current can be set according to battery capacity installed)
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms
PROTECTION	Overload AC mode	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% change to bypass.
	Overload Batt. Mode	Load ≤110%: last 10min, ≤125%: last 1min, ≤150%: last 1s, ≥150% shut down n UPS
	Short Circuit	Hold w hole System
	Overheat	Line mode: switch to bypass; Batt. Mode: shut down Ups immediately
	Battery low	Alarm and switch off
	Self-diagnostics	Upon power on and Software Control
	EPO	Shut down Ups immediately
	Battery	Advanced Battery Management
ALARMS	Audible & Visual	Line failure, Battery low, Overload, System fault
Communication interface		RS232, RS485, Dry Contact, Intelligent slot x 2 (SNMP card, Relay card optional)
ENVIRONMENTAL	Operating temperature	0°C~40°C
	Storage temperature	-25°C~55°C
	Humidity range	0~95% (non condensing)
	Altitude	< 1500m When>1500m, lower the rated power for use
	Noise level	<74dB
PHYSICAL	Dimension D×W×H (mm)	860 x n° 600 x 2000
	Net weight (kg)	According to final configuration
STANDARDS	Safety & performance	IEC/EN62040-1 & 2, IEC/EN60950-1, IEC/EN62040-3

HP 3340 Module			
Model	Description	Dimension	Net Weight (kg)
HP 3340 Module	40kVA 3P:3P Module	19"x3Ux580mm	38

HP UPS Cabinet				
Model	Description	n° modules	Dimension	Net Weight (kg)
HP 200	200kVA UPS Cabinet	5	600x2000x860	230
HP 320	320kVA UPS Cabinet	8	600x2000x860	380
HP 520	520kVA UPS Cabinet	13	1200x2000x860	560
HP 600	600kVA UPS Cabinet	15	1800x2000x860	690



**BRAGA MORO**  
SISTEMI DI ENERGIA

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