



MODULAR UPS

HERCULES SHE

Super High Efficiency

60kVA Power Module

up to 600kVA

MAIN FEATURES

- 3 EcoDesign
- 3 Super High Efficiency (>97%)
- 3 Output power factor 1
- 3 N+1 or N+R Parallel Redundancy for power guarantee
- 3 Pure sine waveform
- 3 Parallel/Redundant system configuration
- 3 3-Level Inverter
- 3 Very compact design
- 3 Soft Start
- 3 Hot Swap modules
- 3 High reliable operation with redundant power supply in STS
- 3 Built-in maintenance bypass switch for easy maintenance without interruption
- 3 High efficiency double conversion online UPS
- 3 External battery management (Lead or Lithium battery type)
- 3 Adjustable battery numbers and User-adjustable charging current
- 3 Battery Self-Test
- 3 Temperature Battery Compensation kit
- 3 Graphic 10" LCD design for easy configuration (touch screen)
- 3 Mimic Diagram (on screen)
- 3 ECO Mode
- 3 EPO (Emergency Power Off)
- 3 SNMP and DryContacts boards
- 3 Communications Ports: USB, RS232, RS485, Dry Contact
- 3 IoT communication
- 3 Remote Management Software
- 3 Conformal Coating to protect all electronic boards
- 3 Insulation Transformer (optional)
- 3 BFP Backfeed protection (optional)
- 3 Warranty up to 5 years (optional)
- 3 CE conformity
- 3 Anti-seismic installation kit (optional)



Power Module (2U)



Model	HERCULES SHE 300	HERCULES SHE 400	HERCULES SHE 500	HERCULES SHE 600
Power Rating	300kVA	420kVA	540kVA	600kVA
Power Module	60kVA	60kVA	60kVA	60kVA
Number of Module	5	7	9	10
Main Input				
Grid System	3 Phases + Neutral + Ground			
Rated Input Voltage	380/400/415VAC			
Rated Frequency	50/60Hz			
Input Voltage Range	323~478Vac (Line-Line),full load			
Input Frequency Range	40Hz ~ 70Hz			
Input Power Factor	>0.99			
Input Current THDi	<3% (Linear Load)			
Bypass Input				
Rated Bypass Voltage	380/400/415VAC (Line-Line)			
Rated Frequency	50/60Hz			
Bypass Voltage Range	Range: -40%- +25% , Settable, default -20% ~ +15%			
Bypass Overload	110% Long term operation 111%~125% last for more than 10min 126%~150% last for more than 5min >150% last for more than 1min			
Output				
Rated Inverter Voltage	380/400/415VAC (Line-Line) - 3Ph+N+G			
Rated Frequency	50/60Hz			
Output Power Factor	1			
Voltage precision	± <1%			
Output Voltage THDu	<1% from 0% to 100% linear load			
Inverter Overload	110% >1Hour; 110%~125%, >10min; 125%~150%, >1min;; >150%, 200ms			
Crest factor	3:1			
Frequency Regulation	50/60Hz ±<0.01%			
Battery And Charger				
Battery Rate Voltage	±240VDC			
Charger Voltage precision	± 1%			
Battery Test	Standard or Full charge (automatic)			
Charger Power	max=30% *Output power			
Efficiency				
Normal Operation	> 97%			
Battery Operation	> 96%			
ECO Mode	> 98%			
System				
IP Class	IP 21			
Display	LED + LCD touch screen 10"			
Interface	RS232, RS485 MODBUS, USB,Programmable dry contact,			
Short-circuit resistance	> 60kA			
Optional	battery cold start, Ethernet/HTTP/HTTPS/SNMP (Remote Monitoring), AS400, IoT module (IEC 62443-4-2), parallel kit, Full Charge Self-Test, Lightning protection components, Dust Filter, LBS, ANTI-SEISMIC KIT			
Environmental				
Operation Temperature	0 ~ 40 °C			
Storage Temperature	-40 ~ 70 °C			
Relative Humidity	0 ~ 95% Non condensing			
Noise	<70dB			
Physical data				
Cabinet Dimension W*D*H (mm)	800*1100*2000			
Cabinet Weigh (kg)	350			
Module Dimension W*D*H (mm)	550 x 750 x 85	440		
Module Weigh (kg)	35,7			
Standards				
Certification	IEC/EN 62040-1 , IEC EN 62368-1; IEC 62477-1			
Certification	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)			
	EU Regulation 2024/1781 (ECODESIGN)			
	IEC/EN 62040-3 ; Directive 2011/65/EU RoHS II			

BRAGA MORO Sistemi di Energia S.P.A.
 Via Marcora, 36- 20097 San Donato Milanese (MI)
 Tel. +39.02 51672201 - Fax +39 02 51672214
sales@bragamoro.com - www.bragamoro.com