



UPS HERCULES PLUS II 60kVA÷300kVA



MAIN FEATURES

- 3 Green Design
- 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 High scalability
- 3 Soft Start
- 3 Hot Plug-in 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 Graphic 7" LCD design for easy configuration (touch screen)
- 3 Mimic Diagram (on screen)
- 3 ECO Mode
- 3 EPO (Emergency Power Off)
- 3 Remote shut-down from management system
- 3 SNMP and DryContacts (Optional)
- 3 Communications Ports: USB, RS232, RS485, Dry Contact,
- 3 Remote Management Software (internal web server)
- 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



Model	HERCULES PII 180	HERCULES PII 100	HERCULES PII 200	HERCULES PII 300
Power Rating	180kVA/180kW	100kVA/100kW	200kVA/200kW	300kVA/300kW
Power Module	30kVA/30kW	50kVA/50kW	50kVA/50kW	50kVA/50kW
Number of Slot	6	2	4	6
Main Input				
Grid System	3 Phases + Neutral + Ground			
Rated Input Voltage	380/400/415VAC			
Rated Frequency	50/60Hz			
Input Voltage Range	304~478Vac (Line-Line),full load 228V~304Vac (Line-Line),load decrease linearly according to the min phase voltage			
Input Frequency Range	40Hz ~ 70Hz			
Input Power Factor	>0.99			
Input Current THDi	<3% (full Linear Load)			
Bypass Input				
Rated Bypass Voltage	380/400/415VAC (Line-Line)			
Rated Frequency	50/60Hz			
Bypass Voltage Range	Selectable, default -20% ~ +15% Up limited: +10%, +15%, +20%, +25% Down limited: -10%, -15%, -20%, -30%, -40%			
Bypass Frequency Range	Selectable, ±1Hz, ±3Hz, ±5Hz			
Bypass Overload	125%, long time operation 125%< load <130%, last for more than 10 minutes 130%<load<150%,last for more than 1 minutes >150%, last for more than 300ms			110% Long term operation 110%~125% last for > 5min 125%~150% last for > 1min >150% last for more than 1s
Output				
Rated Inverter Voltage	380/400/415VAC (Line-Line)			
Rated Frequency	50/60Hz			
Output Power Factor	1			
Voltage precision	<1%			
Output Voltage THDu	<1.5% from 0% to 100% linear load <5% full non-linear load			
Inverter Overload	110% Long term operation 110%~125%, >10min; 125%~150%, >1min; >150%,200ms			
Frequency Regulation	50/60Hz			
Output Frequency Stability	<0.1Hz			
Battery And Charger				
Battery Rate Voltage	±240VDC			
Type of Battery	AGM (VRLA) or Lithium Ion			
Charger Voltage precision	1%			
Battery Test	Standard or Full charge (automatic)			
Charger Power	max=20% *Output power			
Efficiency				
Normal Operation	>96.5%			
ECO Mode	> 98%			
System				
IP Class	IP 21			
Display	7" touch screen LCD+LED - with Mimic Diagram			
Interface	RS232, RS485 MODBUS, USB, Programmable dry contact, battery cold start			
Option	Ethernet/HTTP/HTTPS/SNMP (Remote Monitoring), AS400, Parallel Kit, Lightning protection components, Dust Filter, LBS, ANTI-SEISMIC KIT, Full load Self-Test			
Type of Power Module	Hot Swap			
Installation/Connection	Top or bottom cable entry			
Short-circuit resistance	> 60kA			
Environmental				
Operation Temperature	-5 ~ 45 °C			
Storage Temperature	-40 ~ 70 °C			
Relative Humidity	0 ~ 95% Non condensing			
Noise (1 meter)	<65dB @ 100% load			
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Physical data				
Cabinet Dimension W*D*H (mm)	600*1100*1600	600*980*1150	650*960*1600	650*960*2000
Cabinet Weigh (kg)	170	210	350	490
Module Dimension W*D*H (mm)	460x790x134	510x700x178		
Module Weigh (kg)	34	45		
Standards				
Compliance	IEC/EN 60950-1			
	IEC/EN 62040-1-2-3			
	EU Regulation 2024/1781 (ECODESIGN)			
	Directive 2011/65/EU RoHS II			