

FUTURIZE THE POWER



UPS HERCULES PLUS II 60kVA÷300kVA



MAIN FEATURES

- 🌀 Green Design
- 🌀 Output power factor 1
- 🌀 N+1 or N+R Parallel Redundancy for power guarantee
- 🌀 Pure sine waveform
- 🌀 Parallel/Redundant system configuration
- 🌀 High scalability
- 🌀 Soft Start
- 🌀 Hot Plug-in modules
- 🌀 High reliable operation with redundant power supply in STS
- 🌀 Built-in maintenance bypass switch for easy maintenance without interruption
- 🌀 High efficiency double conversion online UPS
- 🌀 External battery management (Lead or Lithium battery type)
- 🌀 Adjustable battery numbers and User-adjustable charging current
- 🌀 Battery Self-Test
- 🌀 Graphic 5.7" LCD design for easy configuration (touch screen)
- 🌀 Mimic Diagram (on screen)
- 🌀 ECO Mode
- 🌀 EPO (Emergency Power Off)
- 🌀 Remote shut-down from management system
- 🌀 SNMP and DryContacts (Optional)
- 🌀 Communications Pots : USB, RS232, RS485, Dry Contact,
- 🌀 Remote Management Software (internal web server)
- 🌀 Conformal Coating to protect all electronic boards
- 🌀 Insulation Transformer (optional)
- 🌀 BFP Backfeed protection (optional)
- 🌀 Warranty up to 5 years (optional)
- 🌀 CE Conformity



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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, ± 1 Hz, ± 3 Hz, ± 5 Hz			
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 more than 5min 125%~150% last for more than 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	$\pm <1\%$			
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 $\pm <0.01\%$			
Battery And Charger				
Battery Rate Voltage	± 240 VDC			
Charger Voltage precision	1%			
Charger Power	max=20% *Output power			
Efficiency				
Normal Operation	>96.5%			
ECO Mode	> 98%			
System				
IP Class	IP 21			
Display	LED + LCD + touch screen			
Interface	RS232, RS485 MODBUS, USB, Programmable dry contact		RS232, RS485 MODBUS, USB, Programmable dry contact, battery cold start	
Option	battery cold start, Ethernet/HTTP/HTTPS/SNMP (Remote Monitoring), AS400, parallel kit, Lightning protection components, Dust Filter, LBS, ANTI-SEISMIC KIT, Full load Self-Test		Ethernet/HTTP/HTTPS/SNMP (Remote Monitoring), AS400, parallel kit, Lightning protection components, Dust Filter, LBS, ANTI-SEISMIC KIT, Full load Self-Test	
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			
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 Directive 2011/65/EU RoHS II			



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