

High Frequency Online UPS 1 - 20KVA

ZUMA

HP 9116C / 9316C



Product snapshot

Model : 1 - 20 KVA

Nominal voltage: 240/230/220/208VAC

Nominal frequency: 70/40Hz

Output Power factor: 0.9



Typical application

Data centr, bank station, network , communication equipment, office, automatic equipment, monitor equipment, control system.

Highly flexible and extendable

Charge current can be adjust

- Standant charge current 4A.
- Support more discharge time and more capacity battery for 8A charger.

Input topology design

- Support three phase input or single phase input for three phase UPS.
- Super wide input voltage and frequency range suitable for bad of grid environment.
- Digital control DSP technology and best power component make the system safe and reliable.

Multifunction friendly design

Advanced parallel technology

- Stable parallel control technology make sure current sharing to %1.
- Select trip technology can avoid and isolation system fault then improved system availability.
- Flexible extension capacity and redundance management that can satisfy all kinds of requirements.
- Support maximum 3 units for parallel working

Flexible strategy

- On line mode provides higher system availability
- High efficiency mode provides more economic operation
- Frequency conversion provides more stable output

Higher function

Output power factor up to 0.9

- Output power factor is 0.9 that mean can take more load, if you take same load that can get higher reliability.

Input power factors up to 0.99

- Three phase input model support three phase PFC , input THDI<%5
- Output voltage regulation %1, frequency regulation %0.1, parallel current sharing %1.

The efficiency up to %94

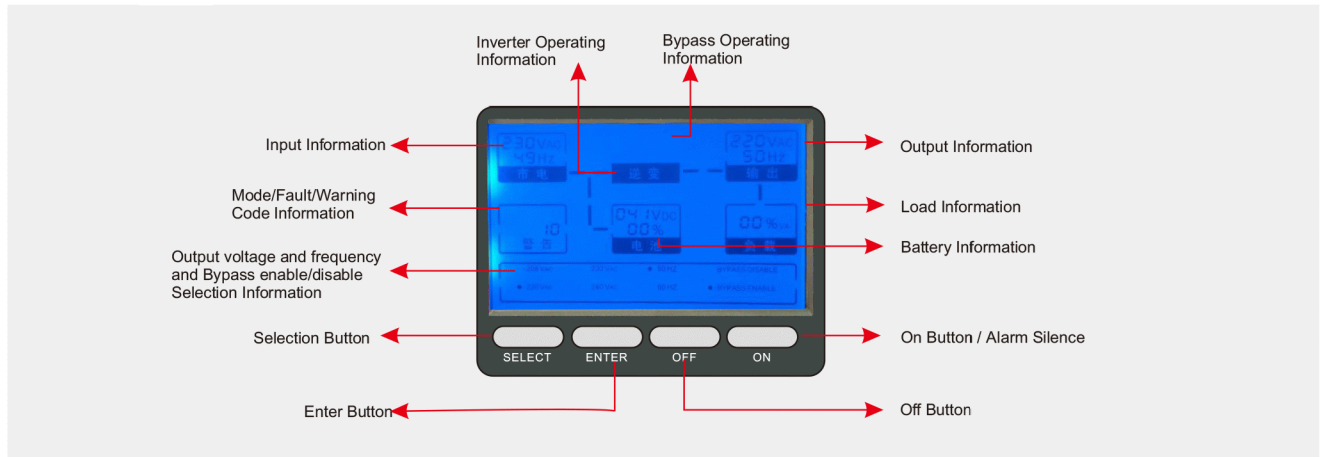
- Efficiency up to %93.5when take the %30load
- ECO mode efficiency up to %98

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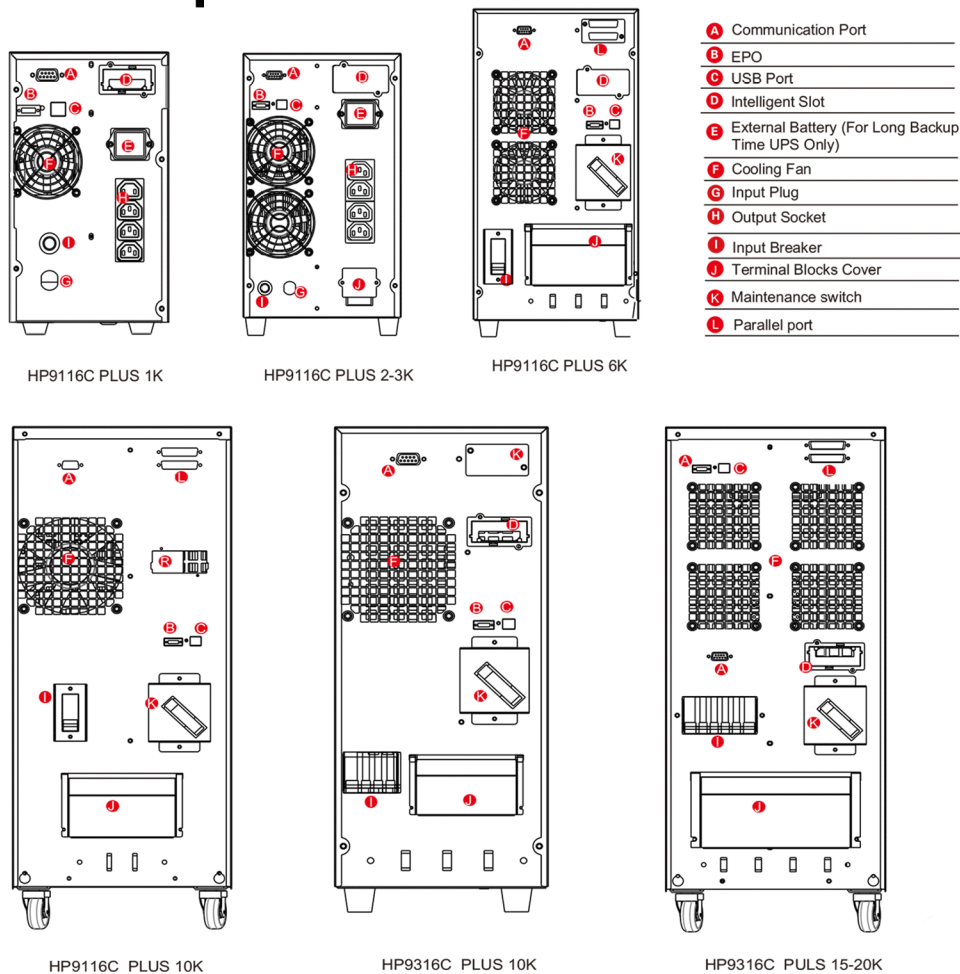
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LCD Display Information



Back Panel Description



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ZUMA HP 9116C PLUS 1 - 3 KVA

MODEL	ZUMA HP 9116C PLUS 1 - 3 KVA					
Power Capacity(VA/W)	1KT	1KT-XL	2KT	2KT-XL	3KT	3KT-XL
Rated Power	1KVA/0.9KW		2KVA/1.8KW		3KVA/2.7KW	
Rated Voltage	220/230/240VAC					
Rated Frequency	40-70 Hz					
Input						
Voltage Range	120~300VAC					
THDi	<10%					
Power Factor	>0.98					
Output						
Voltage Regulation	220±2%VAC					
Frequency Regulation	50/60 Hz±0.05Hz					
Power Factor	0.9					
THDV	Linear load<4% Non-linear load<7%					
Overload Capability	load≥108%-150% for 47-25s;load≥150%-200% for 25s-300ms; load≥200% for 200ms					
Current Crest Ratio	3:1					
Transfer Time	0ms (AC mode→Battery mode)					
Efficiency(on line mode)	> 89%		> 90%		> 90%	
Battery						
DC Voltage	24 VDC	36/48 VDC	48 VDC	72 VDC	72 VDC	96 VDC
Recharge Time	7hrs to 90% of capacity					
Recharge Current	2A	5A	2A	5A	2A	5A
Display						
LCD	Display input/output Voltage, Frequency, Battery voltage, Battery capacity, Loading rate.					
Communication						
Interface	Smart RS232、SNMP card (optional) 、USB (optional)					
Environment						
Operation Temperature	0 ~ 40°C					
Humidity	20~90% (Non-condensing)					
Storage Temperature	-25°C ~ 55°C					
Operation Altitude	<1500m					
Noise Level (1m)	<45dB			<50dB		
Physics Characteristic						
Weight(KG)	12.5	6.5	24	10.3	29.5	11.5
Dimensions :(Wx D x H)mm	145X345X229			190X425X340		

STANDARD: Conform to GB/IEC regulation : EMC: GB7260.2/IEC62040-2 GB/17626.2~5/IEC61000-4-2~5 SAFETY:GB4943

Note: Product specifications are subject to change without further notice.

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ZUMA HP 9116C PLUS 6 - 10 KVA

MODEL	ZUMA HP 9116 C 6 - 10 KVA			
Power Capacity(VA/W)	6KT	6KT-XL	10KT	10KT-XL
Rated Power	6KVA/5.4KW		10KVA/9KW	
Rated Voltage	220VAC			
Rated Frequency	40-70 Hz			
Input				
Voltage Range	120~275VAC (± 3 VAC)			
THDi	<5%			
Power Factor	≥ 0.99			
Output				
Voltage Regulation	220 $\pm 1\%$ VAC			
Frequency Regulation	50/60 Hz ± 0.2 Hz			
Waveform	Pure sine wave			
Power Factor	0.9			
THDV	Linear load<2% Non-linear load<4%			
Efficiency	>94%			
Current Crest Ratio	3:1			
Transfer Time	0ms (AC mode→Battery mode)			
Battery				
DC Voltage	180VDC	192VDC	192VDC	
Recharge Time	5hrs to 90% of capacity			
Recharge Current	1A	4.2A	1A	4.2A
Display				
LCD	Mode/Fault/Warning/Display input/output Voltage, Frequency, Battery voltage, Battery capacity, Loading rate.			
Communication				
Interface	Smart RS232, SNMP(Optional),USB (Optional)			
Environment				
Operation Temperature	0~40°C			
Humidity	0~95% (Non-condensing)			
Storage Temperature	-25°C~55°C			
Operation Altitude	<1000m			
Noise Level (1m)	<55dB			
Physics Characteristic				
Weight(KG)	59	14	62	16
Dimensions : (Wx D x H)mm	248X500X616	212X500X420	248X500X616	212X500X420

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ZUMA HP 9316C PLUS 10 - 20 KVA

MODEL	ZUMA HP 9316 C PLUS 10 - 20 KVA						
Power Capacity(VA/W)	10KT-XL	15KT-XL			20KT-XL		
Rated Power	10KVA/9KW	15KVA/13.5KW			20KVA/18KW		
Rated Voltage	220VAC/380VAC 3phase with ground						
Rated Frequency	40-70 Hz (50/60 Auto-sense)						
Input							
Voltage Range	120~275VAC (±3VAC)						
Power Factor	>0.95(Three phase)			≥0.99			
Output							
Voltage Regulation	208/220/230/240VAC (±1%)						
Frequency Regulation	50/60HZ±0.05 Hz						
Power Factor	0.9	0.8	0.9	0.8	0.9	0.8	0.9
THDV	Linear load < 2% ,Non-Linear load < 5%						
Overload Capability	105% ~ 125% for 10min; 125% ~ 150% for 30s,>150% for 500 ms						
Current Crest Ratio	3:1						
Transfer Time	0ms (AC mode→Battery mode)						
Battery							
DC Voltage	192VDC	192VDC	216VDC	240VDC	192VDC	216VDC	240VDC
Recharge Current	4A	8A	4A		8A	4A	
Display							
LCD	Display input/output Voltage, Frequency, Battery voltage, Battery capacity, Loading rate.						
Communication							
Interface	Smart RS232, SNMP card (optional) USB (optional)						
Environment							
Operation Temperature	0~40°C						
Humidity	0~95% (Non-condensing)						
Storage Temperature	-25°C~55°C						
Operation Altitude	<1500m						
Noise Level (1m)	<55dB						
Physics Characteristic							
Weight(KG)	16.9			31			
Dimensions : (Wx D x H)mm	212X420X500			248X565X500			

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