



Application:

Computer Server and Medical Equipments



World Class UPS



Control Panel
Up to 50 items set by LCD



USB



SNMP



Drycontact card



Mini dry contact card



Rear Panel

Terminal Block

Features:

- . High frequency and Double conversion online technology
- . Conversion Type AC-DC, DC-AC
- . Fully DSP control
- . Wide input voltage range
- . Highly Efficient upto 93%
- . High input.power factor 0.99
- . LCD With Digital Display
- . Cold Start Function
- . IGBT both Inverter & Rectfier
- . Advanced battery management
- . Automatic battery charge in UPS Off mode
- . Short circuit & overload protection
- . EMI/RFI noise filter
- . smart RS232 communication with monitoring software
- . Optional SNMP card
- . High reliability digital control
- . Full protection function

HP Series

MODEL	HP301	HP301S	HP302-2C	HP303-72V	HP303-2C
Capacity (KVA)	1KVA		2KVA	3KVA	
INPUT					
Nominal Voltage	220 / 230 / 240Vac				
Operating voltage range	100 volt-300Vac (Based on load at 50%), 160-280VAC(based on load at 100%)				
Operating frequency range	46~54Hz±0.5Hz or 56~64Hz±0.5Hz (auto sensing)				
Power factor	≥0.99				
OUTPUT					
Output voltage/Power factor	220/230 / 240Vac±1% / 0.8 Std. / 0.9 (Optional)				
Output frequency	50Hz/60Hz±0.5% Synchronized with the utility on AC mode; 50Hz/60Hz±0.2% on Battery mode				
Harmonic distortion (THDv)	<2% (linear load), <5% (Non Linear Load)				
Crest Factor	3:1(max)				
Efficiency	>93%				
BATTERY					
DC Voltage	24/36Vdc		48Vdc/96V	48/72/96Vdc	
Battery type & number	SMF, VRLA	12V/7.2Ahx3	SMF, VRLA	12V/7.2Ahx8	SMF, VRLA 12V/7.2Ahx8
Back up Time (50% load)		12min		19min	16min
Back up Time (Full load)		5min		8min	5min
Charge Current (standard unit)	1A				
Charge Current (long run unit)	6A / (12A Optional)		6A / (12A Optional)		6A / (12A Optional)
Typical recharge time	8 Hours(to 90% of full capacity)				
Transient response	<3% for 100% Non Linear Load				
SYSTEM FEATURES					
LCD indication	1. Input voltage/frequency, battery voltage, output voltage/frequency, load watt/VA and percent, inverter temperature 2. Operation mode such as "on line", "on batt", or "or bypass"				
LED indication	1. Green LED for normal operation 2. Yellow LED for warning condition 3. Red LED for abnormal operation 4. Amber LED for normal battery mode				
Overload capability	1. >110%, 30s turn to bypass mode; 2. >150%, 300ms turn to bypass mode				
Transfer time	Between AC Mode and Battery Mode : 0ms Between AC Mode and Bypass Mode : 4ms (typical value 2.5ms)				
Communication interface	RS232 ; SNMP (optional)				
ENVIRONMENTAL					
Operating temperature	0~40 C				
Storage Temperature	-25~55 C				
Humidity range	0%~95% (non-condensing)				
Altitude	<1500m				
Noise Level	<45dB				
PHYSICAL					
Dimension W×D×H (mm)	144×421×215		191×478×339	191×478×339	
Packing W×D×H (mm)	258×524×334		332×603×482	332×603×482	
Net/Shipping Weight (kg) (Standard run unit)	14/16		33/35	34/36	
Net/Shipping Weight (kg) (Long run unit)	7.5/9		14/16	15/17	
STANDARDS					
Safety	IEC/EN62040-1; IEC/EN60950-1				
EMC	EMC IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8				

SPD Optional as per IEEE 1100 - 2002, with 10 KVA Surge current <0-5ns response time
Specifications are subject to change without prior notice

Sole Distributor :

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