



World Class UPS



Control Panel
Up to 50 items set by LCD

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
- LED & LCD Display
- Fully Automatic Fan for heat Control(24hrs)
- IGBT both Inverter & Rectifier
- 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
- Audible Alarm for low battery mode, Fault mode & overload
- Protection against Short circuit Low & High Voltage input surge voltage, over heat, over load & many more



USB



SNMP



Drycontact card



Rear Panel

Terminal Block



Mini dry
contact card



Technical Specifications

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	110~130%:2 minutes 130~140%:30 seconds ≥140%:1.5 seconds						
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	-10~40 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

Mfd and Mktg By

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