

Online UPS
E-Series (Environmental Friendly)
1-3KVA (1/1)



AVO HIGH POWER
HP 300

Application:

Computer/critical servers/data center/hub & other network device/LAN/WAN.

Control Panel



FEATURES

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V - 300 V)
- Converter mode available
- ECO mode for energy saving (Only available for 1-3KVA)
- Generator compatible
- Adjustable battery number only available for 6K and up models
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status
- Optional isolation transformer available. (Please check sales directly)

TECHNICAL SPECIFICATIONS

MODEL		HP301	HP302				HP303		
PHASE		Single phase with ground							
CAPACITY		1000 VA / 800 W		2000 VA / 1600 W		3000 VA / 2400 W			
INPUT									
Nominal Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC							
Input Voltage Range		55-150 VAC or 110-300 VAC (Based on load at 50%) 85-140VAC or 160-280VAC (Based on load at 100%)							
Frequency Range		40 Hz - 70 Hz							
Power Factor		≥0.99 @ Nominal Voltage (100% load)							
OUTPUT									
Output Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC							
Voltage Regulation		±1 %							
Frequency Range (Synod-ionized Range)		47- 53 Hz or 57 - 63 Hz							
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz							
Current Crest Ratio		3:1							
Harmonic Distortion		≤3 % THD (Linear Load) ≤6 % THD (Non-linear Load)							
Transfer Time	AC Mode to Battery Mode	Zero							
	Inverter to Bypass	4 ms (Typical)							
Waveform (Batt. Mode)		Pure Sinewave							
EFFICIENCY									
AC Mode		88%		88%		90%			
Battery Mode		83%		85%		88%			
BATTERY									
Standard Model	Battery Type	12 V/ 9 Ah		12 V/ 9Ah		12 V/ 9Ah			
	Numbers	2		4		6			
	Typical Recharge Time	4 hours recover to 90% capacity							
	Charging Current (max.)	1 A							
	Charging Voltage	27.4VDC ± 1%		54.7 VDC ±1%		82.1 VDC ±1%			
Long-run Model "	Battery Type	Depending on the capacity of external batteries							
	Numbers	2	3	4	6	8	6	8	
	Charging Current (max.)	1A2A/4A/6A (Adjustable)							
	Charging Voltage	27.4VDC ± 1%,	41.0VDC ± 1%	54.7VDC±1%	82.1VDC±1%	100.4VDC±1%	82.1VDC ±1%	109.4VDC ±1%	
INDICATORS									
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators							
ALARM									
Battery Mode		Sounding every 4 seconds							
Low Battery		Sounding every second							
Overload		Sounding twice every second							
Fault		Continuously sounding							
PHYSICAL									
Standard Model	Dimension, D x W x H(mm)	282 x 145 x 220		397 x 145 x 220		421 x 190 x 318			
	Net Weight (kgs)	9.8		17		27.6			
Long-run Model "	Dimension, D x W x H(mm)	282 x 145 x 220		397 x 145 x 220					
	Net Weight (kgs)	4.1		6.8		7.4			
ENVIRONMENT									
Humidity		20-90 % RH @ 0- 40°C (Non-condensing)							
Noise Level		Less than 50dBA @ 1 Meter							
MANAGEMENT									
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows. 7/8, Linux, Unix and MAC							
Optional SNMP		Power management from SNMP manager and web browser							

- All specifications are subject to change without prior notice.
- Custom-made specifications are acceptable.