

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



**AVO DIGITAL POWER**  
**DP 300**

**Application:**

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

**FEATURES**

- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide Input voltage range (110V-300V)
- Output power factor 0.8/0.9
- Cold start
- Frequency adaptive
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable via LCD
- Selectable battery low voltage via LCD
- Automatically diagnose when starts
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatically charging battery at UPS off mode
- Fan speed auto control when load varies
- Standard RS232 communication port and RJ45 protection
- Optional USB/SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional built-in isolation transformer

## TECHNICAL SPECIFICATIONS

MODEL	DP301	DP302	DP303	DP301	DP302	DP303
Capacity	1KVA/800W	2KVA/1600W	3KVA/2400W	1KVA/900W	2KVA/1800W	3KVA/2700W
INPUT						
Rated Voltage	208V/220V/230V/240VAC					
Voltage Range	Half load(110-300) $\pm$ 5VAC , Full Load(160-300) $\pm$ 5VAC					
Frequency	40-70Hz(AutoSensing)					
Power Factor	$\geq$ 0.98					
Bypass Voltage Range	Rated output voltage-34V - Rated output voltage+32V					
OUTPUT						
Voltage	208V/220V/230V/240VAC Setting available via LCD					
Voltage Regulation	$\pm$ 1%					
Frequency	45-55Hz 55 or 65Hz (Synchronized range);50/60 $\pm$ 0.2Hz(Battery mode)					
Waveform	Pure sine wave					
Crest Factor	3:1					
Harmonic Distortion	$\leq$ 2%(Linear load); $\leq$ 5%(Nonlinear load)					
Transfer Time	AC mode to battery mode :0ms Inverter model to bypass mode:4ms(Typical)					
Overload Capability	105%-150%:Transfer to bypass after 30s;> 150%: Transfer to bypass after 300ms					
EFFICIENCY						
AC Mode	$\geq$ 90%					
Battery Mode	> 87%					
ECO Mode	> 94%					
BATTERY						
DC Voltage	24V	48V	72V	36V	72V	72V
Inbuilt Battery of Standard Model	2x9Ah	1x9Ah	6x9Ah	3x7Ah	6x7Ah	6x9Ah
Charge Current	Standard Model	1A				
	Long Time Model	6A				NO
Typical Recharge Time	8 hours recover to 90% capacity					
ALARM						
Utility Failure	Beep/1S					
Battery Low	Beep/1S					
Overload	Beep Twice/1s					
UPS Fault	Long Beep					
ENVIRONMENT						
Humidity	20-90% RH 0-40C (non condensing)					
Noise Level	$\leq$ 50dB (1m)					
MANAGEMENT						
Standard RS-232 ,Optional USB	Supports Windows <sup>®</sup> 98/2000/2003/XP/Nista/2008/Windows7/8					
Optional SNMP	Power management from SNMP manager and web browser					
PHYSICAL						
Dimension(mm) WxDxH	144x357x215	190x452x341		144x410x215	190x452x341	
Packing Dimension(mm) WxDxH	230x445x315	320x550x462		231x492x316	320x550x462	
Net Weight(kg)	5.6(H) ,10.1(S)	11.0(H),20.5(S)	11.6(H),25.7(S)	13.0(S)	23.5(S)	26.6(S)

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