



INFINITY 3300 UPS RANGE

10-40kVA

Three Phase Uninterruptible Power Supply (UPS) from 10 to 40kVA

Infinity 3300 Range

Modern IT systems such as host computers, file servers, workstations and computing centres, and their integration into complex networks have become indispensable for the competitiveness of manufacturing and service industries.

However, a smooth and uninterrupted supply of electricity is an essential pre-condition for the trouble free performance of such systems. Malfunctions in the mains supply such as power failure, voltage fluctuation or short power interruptions lasting less than a millisecond, may cause loss of important data, program errors or even hardware damage, thereby posing a serious threat to business processes.



Protection around the clock

The AVK Infinity UPS range not only gives online equipment round the clock protection, but also offers a technically advanced and economic solution for the power supply requirements of modern data-processing equipment.

The Infinity range offers true double-conversion on-line technology, high frequency conversion, digital control input, power factor > 0.8, low noise level, high efficiency, emergency circuit (EPO) for immediate shutdown. All these are characteristics allowing us to confirm that Infinity range systems are an expert solution for any type of power supply requirement you may have.

Key features:

- On-line double conversion technology
- Pure sine wave
- Input Power factor > 0.8
- IGBT rectifier and inverter
- Microprocessor controlled
- High efficiency
- Low acoustic noise level
- Remote communication
- Auto diagnostic system
- Options: SNMP adapter , Remote communication



For more information on our full range of UPS systems or for a full quotation, please telephone us on 01628 503900



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SPECIFICATION

POWER - kVA	10	15	20	30	40
UPS Typology	ON LINE - DOUBLE CONVERSION ACTIVE STANDBY BY OPERATION (OPTIONAL)				
Nominal output power P.F 0.8 (kVA)	10	15	20	30	40
Nominal output power P.F 1.0 (KW)	8	12	16	24	32
Efficiency (AC / AC % (ECO mode)	>98				
Heat Dissipation at nominal load (W)	695	1040	1390	2080	2780
Efficiency (AC / AC) %	(Online double conversion mode) >92				
UPS ambient temperature (°C)	0 to 40				
Battery ambient temperature (°C)	0 to 25				
UPS storage temperature (°C)	- 10 to 70				
Battery storage temperature (°C)	- 10 to 60				
Relative humidity (non condensing) %	<95				
Altitude	< 1000m (above sea level)				
Power de-rating for altitude > 1000m	Compliant to "IEC62040-3"				
Audible noise level (according EN 50091)	<52dB			<60dB	
Protection degree	IP 20				
Design Standard	Compliant to "IEC 62040" "ISO14001"				
RECTIFIER AND BATTERY CHARGER					
Nominal Input Voltage	400 (+10% - 20%)				
Input Frequency (Hz)	50-60 +/- 5				
Input Power Factor	>0.99				
DC Output Voltage Accuracy	+/- 1 %				
DC Output Voltage Ripple	2% rms				
Max. Nominal input current (battery charged)	12	19	23	38	50
Max. Input Current Inc. Recharge (A)	24	36	36	58	72
AC/DC converter type	IGBT				
BATTERY					
Battery Type	Sealed Lead Acid Recombination				
Number of Cells	2 x 180	2 x 186	2 x 186	2 x 186	2 x 186
Floating Voltage at (°C) - Vdc	2 x 406	2 x 418	2 x 418	2 x 418	2 x 418
Minimum Discharge Voltage (Vdc)	2 x 310	2 x 310	2 x 310	2 x 310	2 x 310
Power to Inverter (@ nominal Load) (kW)	8,5	12,7	17	25.4	34
Battery Protection	FUSES				
INVERTER					
Inverter Bridge	IGBT (transformer less)				
Nominal Output Power (P.F 0,8)	10	15	20	30	40
Nominal Output Power (P.F 1)	8	12	16	24	32
Nominal Output Current - (@ 230Vac output) (P.F 8)	15	22..5	30	45	60
Nominal Output Voltage - (Vac Ph-N)	380-400-415				
Output Voltage Stability - Static	+/- 1% rms				
- Dynamic (Step Load 0 - 100 % - 0)	+/- 2 % rms			+/- 5 % rms	
- Recovery Time (after load step)	within 10 ms				
- IEC 62040-3	Classification 1				
Overload Capability	125% for 10 min 200 % for 100 msec				
DIMENSIONS					
(mm)	W = 450 D = 650 H = 1200				
Weights (kg) without battery (with battery)	90 (250)	100 (260)	100 (260)	141	141
Static load (Kg/m²) without bat (With bat)	310 (854)	340 (890)	340 (890)	483	483
Static load (kg/m²) without bat (with bat)	310 (854)	340(890)	340 (890)	483	483