



AVK HYPERION UPS SERIES

200-300kVA

Three Phase Uninterruptible Power Supply (UPS) from 200 to 300kVA

Hyperion UPS 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 Hyperion UPS Range from AVK|SEG (UK) LTD 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 AVK Hyperion UPS 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 Alpha UPS Series systems are an expert solution for any type of power supply requirement you may have.

For more information on our full range of UPS systems or for a full quotation, please telephone us on 01628 530900

Key features:

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





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SPECIFICATION

POWER (kVA)	HYPERION 200	HYPERION 250	HYPERION 300
UPS typology	ON LINE - DOUBLE CONVERSION		
Nominal Output Power @(P.F 0,8) (kVA)	200	250	300
Nominal Output Power @ (P.F I.O) (KW)	160	200	240
Efficiency (AC ÷ AC) %	>93	>93	>93
Heat dissipation @ nominal load (KW)	11.2	14.0	16.8
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 (m)	< 1000 (above sea level)		
Power de-rating for altitude > 1000m	Compliant to "IEC62040-3"		
Audible Noise Level (according EN 50091)	62db	62db	62db
Protection Degree	IP 20		
Design Standard	Compliant to "EN50091" - "IEC 62040" "Vision 2000" - I"ISO 14001"		
RECTIFIER			
AC-DC Converter type	IGBT		
Nominal Input Voltage (Vac)	400 + 10% - 20%		
Input Frequency (Hz)	50 - 60 +/- 5		
Input Power Factor (400 Vac)	>0,96	>0,96	>0,96
Input Current THD	<5%	<5%	<5%
DC Output Voltage Accuracy (%)	+/- 1		
DC Output Voltage Ripple (%rms)	1% rms		
Maximum Recharge @ Nominal Load (A)	30	40	40
Maximum Input Current Inc. Recharge (A)	280	350	410
BATTERY			
Type	Sealed Lead Acid Recombination		
Number of cells	300	300	300
Floating Voltage @ 25 (°C) (Vdc)	681	681	681
Minimum Discharge Voltage (Vdc)	495	495	495
Input Power To Inverter (at nom. Load) (kW)	168	210	252
Battery Protection (external to the UPS)	Automatic Circuit Breaker		
INVERTER			
Inverter bridge	IGBT (High Frequency Comm.)		
Nominal Output power @ (P.F 0,8) (kVA)	200	250	300
Nominal Output power @ (P.F 1) (kW)	160	200	240
Nominal Output Voltage - Vac	380 ÷ 415 (Selectable)		
Output Voltage Stability			
- Static (Balanced Load)	+/- 1%		
- Static (Unbalanced Load)	+/- 1%		
- Output Volt recovery time (dynamic Step load)	0-100% - 0) +/- 5		
Nominal Output Current - A Cos 0.8	290	360	430
Cos 1	230	290	360
Overload Capability	125% for 10 min, 200% for 100ms		
STATIC BY-PASS			
Automatic Static By-Pass	Electronic Thyristor Switch		
Nominal Voltage (VAC)	380 - 415 (Selectable) +/-5		
Overload Capability			
- 200 % continuously			
- 1000 % for 1 cycle			
Manual By Pass	Electronic Control / No break		
DIMENSIONS (mm)			
Weights (kg) Without Battery	870	1020	1200

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