

[AIS 3000](#)

APC AIS 3000 20kVA 400V w/2 Batt. Modules, Start-Up 5X8, Internal Maintenance Bypass



APC AIS 3000, 16 kW / 20 kVA, Input 400V 3PH / Output 400V 3PH, Interface Port DB-9 RS-232, Smart-Slot, Extended runtime model

Includes: Battery modules ship installed, Bolt down brackets, CD with software, Installation guide, Smart UPS signalling RS-232 cable, User Manual, Web/SNMP Management Card

Standard Lead Time: Usually Ships within 2 Weeks

AIS 3000 Features & Benefits

Availability

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| Dual mains input | Increases availability by allowing the UPS to be connected to two separate power sources. |
| Battery modules connected in parallel | Delivers higher availability through redundant batteries. |
| Automatic internal bypass | Supplies utility power to the connected loads in the event of a UPS overload condition or fault. |
| Hot-swappable batteries | Ensures clean, uninterrupted power to protected equipment while batteries are being replaced |
| Generator Compatible | Ensures clean, uninterrupted power to protected equipment when generator power is used. |

Serviceability

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| Manual maintenance bypass | Reduces installation costs by eliminating the need for an external mechanical bypass. |
| Front-access servicing | Simplifies installation and maintenance while minimizing space requirements. |
| Battery replacement without tools | Allows quick, easy battery replacement. |
| User-replaceable air filters | Enables quick and simple replacement of air filters. |

Manageability

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| Network manageable | Provides remote management of the UPS over the network. |
| Intelligent Battery Management | Maximizes battery performance, life, and reliability through intelligent, precision charging. |
| SmartSlot | Customize UPS capabilities with management cards. |
| LCD display | Alpha-Numeric Display which displays system parameters and alarms. |
| Audible Alarms | Provides notification of changing utility power and UPS conditions. |

Economy

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| Input power factor correction | Minimizes installation costs by enabling the use of smaller generators and cabling. |
| Temperature-compensated battery charging | Prolongs battery life by regulating the charge voltage according to battery temperature. |
| Frequency and voltage regulation | Gives higher application availability by correcting poor frequency and voltage conditions without using the battery. |

Protection

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| Automatic self-test | Periodic battery self-test ensures early detection of a battery that needs to be replaced. |
| Safety-agency approved | Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment. UL, FCC, CE, C-Tick approvals. |

Output

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| Output Power Capacity | 16 kW / 20 kVA |
| Max Configurable Power | 16 kW / 20 kVA |
| Nominal Output Voltage | 400V 3PH |
| Output Voltage Note | Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage |
| Efficiency at Full Load | 96% |
| Output Voltage Distortion | Less than 5% at full load |
| Output Frequency (sync to mains) | 47 - 53 Hz for 50 Hz nominal |
| Crest Factor | Unlimited |
| Waveform Type | Sine wave |
| Output Connections | (1) Hard Wire 4-wire (3PH - PEN) (1) Hard Wire 5-wire (3PH + N + G) (1) Screw Terminals |
| Bypass | Built-in Maintenance Bypass,Built-in Static Bypass |

Input

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| Nominal Input Voltage | 400V 3PH |
| Input Frequency | 40 - 70 Hz (auto sensing) |
| Input Connections | Hard Wire 5-wire (3PH + N + G) |
| Input voltage range for main operations | 304 - 477V |
| Other Input Voltages | 380,415 |

Batteries & Runtime

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| Battery Type | VRLA |
| Included Battery Modules | 2 |
| Typical recharge time | 5 hour(s) |
| RBC™ Quantity | 2 |
| Typical Backup Time at Half Load | 18.4 minutes (8000 Watts) |
| Typical Backup Time at Full Load | 5.5 minutes (16000 Watts) |
| Runtime Chart | AIS 3000 |
| Extended Run Options | APC AIS 3000 20kVA 400V w/2 Batt. Modules, Start-Up 5X8, Internal Maintenance Bypass |

Communications & Management

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|--------------------------------|--|
| Interface Port(s) | DB-9 RS-232,Smart-Slot |
| Pre-Installed SmartSlot™ Cards | AP9619 |
| Control panel | Multi-function LCD status and control console |
| Audible Alarm | Audible and visible alarms prioritized by severity |
| Emergency Power Off (EPO) | Yes |

Physical

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| Maximum Height | 1500.00 mm |
| Maximum Width | 352.00 mm |
| Maximum Depth | 854.00 mm |
| Net Weight | 402.00 KG |
| Shipping Weight | 432.00 KG |
| Shipping Height | 1643.00 mm |
| Shipping Width | 650.00 mm |
| Shipping Depth | 1062.00 mm |
| Color | Grey |
| Units per Pallet | 1.00 |

Environmental

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| Operating Environment | 0 - 40 °C |
| Operating Relative Humidity | 0% |
| Operating Elevation | 0-999.9 meters |
| Storage Temperature | -50 - 40 °C |
| Storage Relative Humidity | 0% |
| Storage Elevation | 0-15000 meters |
| Audible noise at 1 meter from surface of unit | 54.00 dBA |
| Online Thermal Dissipation | 2566.00 BTU/hr |
| Protection Class | IP 51 |

Conformance

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| Regulatory Approvals | CE,EN 50091-2,EN/IEC 62040-3,EN/IEC 62040-1-1,IEC 61000-3-2,IEC 61000-3-3,ISO 14001,ISO 9001,VFI-SS-111 |
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Standard Warranty

1 year repair or replace

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.