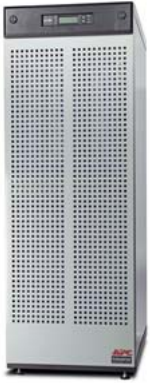


## [AIS 3000](#)

### **APC AIS 3000 20kVA 400V w/2 Batt. Modules Exp. To 4, 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, Power modules ship installed, User Manual, Web/SNMP Management Card

**Standard Lead Time:** Usually Ships within 2 Weeks

# AIS 3000 Features & Benefits

## Availability

- 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

- 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

- 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

- 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

- 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

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

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

Battery Type	VRLA
Included Battery Modules	2
Available Battery Slots	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	<a href="#">AIS 3000</a>
Extended Run Options	<a href="#">APC AIS 3000 20kVA 400V w/2 Batt. Modules Exp. To 4, Start-Up 5X8, Internal</a>

## Communications & Management

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

## Physical

Maximum Height	1500.00 mm
Maximum Width	523.00 mm
Maximum Depth	854.00 mm
Net Weight	443.00 KG
Shipping Weight	474.00 KG
Shipping Height	1643.00 mm
Shipping Width	650.00 mm
Shipping Depth	1062.00 mm
Color	Grey
Units per Pallet	1.00

## Environmental

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

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
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.