

ATROX 44 / 55

Indoor and Outdoor Power System for extreme environmental conditions



- IP44 or IP55 Protection class
- Output Power 350, 650, 1100 and 2000 Watts
- Vandal Resistance Rate IK10
- High flexibility through standard and customer specific configurations
- Wide operating temperature range of -40 °C to 74 °C suitable for the most extreme operating environments
- Temperature compensated battery charging protects batteries from overcharging at extreme temperatures, extending the life of the battery
- External communications via RS-232 port and Ethernet SNMP interface provides local or remote monitoring and control
- Pole- / Wall Mount or Ground Mount
- Active ventilation system (IP55 System)
- AC Output distribution on DIN Rail (IP55 System)

The ATROX 44 / 55 is a line of rugged UPS power systems used worldwide in the most demanding environments where clean backup power is needed, designed to perform in the most extreme demanding environments. Our ATROX 44 / 55 ensures that equipment in security, communications, traffic, industrial environments and many other critical applications remains safe and protected from power disturbances. Thanks to its powerful programmable battery charger, the ATROX 44 / 55 is capable of providing the runtime you need. Our ATROX 44 / 55 provides clean uninterrupted backup power in an all-in-one IP44 or IP55, keylocked and vandal resistant enclosure. The ATROX 44 / 55 comes along with cycle-proof, deep-discharge-proof and maintenance-free 10-12 years design life GEL batteries.

ATROX 44 / 55 Series

Technical Data

| Model | ATROX 44 / 55 – 350 | ATROX 44 / 55 – 650 | ATROX 44 / 55 – 1100 | ATROX 44 / 55 – 2000 |
|----------------------------------|---|---|---|---|
| Output Power (Watt) | 350 | 650 | 1100 | 2000 |
| Operating Temperature Range | -40 °C to 60 °C | | | |
| Temperature Warning | Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life | | | |
| Nominal Voltage Input | 230 VAC | | | |
| Input Voltage Range | 151 - 282 VAC without switching to battery operation | 150 - 328 VAC without switching to battery operation | 150 - 328 VAC without switching to battery operation | 150 - 328 VAC without switching to battery operation |
| Input Current | 2.7 A | 4.5 A | 8.0 A | 12 A |
| Nominal Voltage Output | 230 / 24 VAC | 230 VAC | | |
| Output Voltage Regulation | + / - 10% over full input voltage range | | | |
| Typical Output Voltage (THDi) | < 3 % | | | |
| Battery String Voltage | 24 VDC | 24 VDC | 48 VDC | 48 VDC |
| Frequency | 50 / 60 Hz (Output frequency = Input frequency) | | | |
| Typical Efficiency (normal mode) | > 96 % | > 98 % | | |
| Waveform | pure sinus wave | | | |
| Max. Charge Current (adjustable) | 6 A | 3, 6, 10 A | 3, 6, 10 und 11 bis 15 A* | |
| Connections | dry contacts, RS232, RJ45 | | | |
| SNMP Interface | YES | | | |

* Note: charge current > 10 A will affect output power capacity (i.e. 1625W maximal load for Atrax 44 / 55 – 2000 at 15 A charge current)

Dimensions & properties

| | | | | |
|-----------------------------------|--|---------|---------|---------|
| Dimensions mm (HxWxD) | Pole / Wall: 724 x 685 x 501 Ground: 689 x 685 x 460 | | | |
| Weight S/G kg (without batteries) | 48 / 43 | 49 / 44 | 54 / 49 | 56 / 51 |
| IP Class | IP44 or IP55 (selectable) | | | |
| Vandal Resistance Rate (1-10) | IK10 | | | |
| Batteries (selectable) | up to 4 x 12V / 55 Ah batteries inside cabinet | | | |
| Keylock | yes | | | |
| Mounting | Pole-/ Wall Mounting Kit or Ground Mounting Kit included | | | |

Standard functions

| |
|--|
| Automatic Voltage Regulation (AVR) & Automatic frequency sensing (50 Hz / 60 Hz) |
| RS-232 serial port & internal SNMP Interface |
| Active ventilation system (IP55 System) |
| Emergency Power Off (E.P.O.) input |
| Variable internal speed fan (power module) with fan failure alarm |
| Circuit breaker protection on the input and external battery disconnect |
| Generator-ready for extended runtime option |
| Three user inputs: self test, alarm, shutdown |

Worldwide Corporate Offices

Headquarter Germany

Hansastraße 8
D-91126 Schwabach
Tel: +49 9122 79889 0

Mail: info@alpha-outback-energy.com

Eastern Europe

ee@alpha-outback-energy.com

Middle East

me@alpha-outback-energy.com

France and Benelux

fbnl@alpha-outback-energy.com

Spain

spain@alpha-outback-energy.com

Africa

africa@alpha-outback-energy.com