

ATN TM11

6-10KVA



sinewave output



LCD display



Up to 9 min backup time



built-in batteries

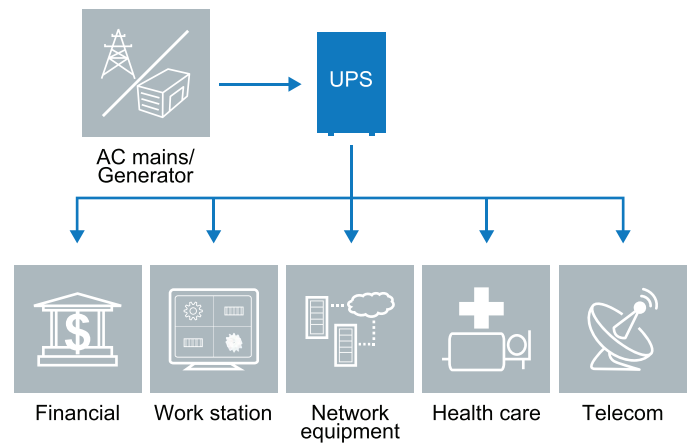


HID

Key features

- True double-conversion design with high adaptability to harsh mains conditions
- PF=1 (VA=Watt)
- DSP design enables precise and reliable control
- High efficiency results in energy saving
- Supports energy-saving ECO mode
- Compact size requiring small installation space
- Built-in OVCD protection, fan lock detection, over temperature detection, overload warning to enhance the product reliability
- USB HID enable monitoring on UPS without software installation
- Intelligent communication slot enables remote monitoring
- Programmable LCD display for quick UPS parameters configuration

Typical application



Product specification

| Model name | | ATN TM11 6K | ATN TM11 6KS | ATN TM11 10K | ATN TM11 10KS |
|--|----------------------------------|--|--|--|--|
| Power rating | VA/Watt | 6000VA/6000W | 6000VA/6000W | 10000VA/10000W | 10000VA/10000W |
| Efficiency | Double conversion mode | 95% | 95% | 95% | 95% |
| | ECO mode | 98% | 98% | 98% | 98% |
| Input performance | Voltage range | 160-276V 100% load, 110-160V derating to 50% load linearly | 160-276V 100% load, 110-160V derating to 50% load linearly | 160-276V 100% load, 110-160V derating to 50% load linearly | 160-276V 100% load, 110-160V derating to 50% load linearly |
| | Rated frequency | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz |
| | Frequency range | 40Hz-70Hz(45Hz-55Hz) | 40Hz-70Hz(45Hz-55Hz) | 40Hz-70Hz(45Hz-55Hz) | 40Hz-70Hz(45Hz-55Hz) |
| | PF | 54Hz-66Hz @ load>60%) | 54Hz-66Hz @ load>60%) | 54Hz-66Hz @ load>60%) | 54Hz-66Hz @ load>60%) |
| | THDI | >0.995 | >0.995 | >0.995 | >0.995 |
| Input connection | Wiring/socket | L/N/PE hardware terminal connection | L/N/PE hardware terminal connection | L/N/PE hardware terminal connection | L/N/PE hardware terminal connection |
| Output performance | Rated voltage | 220/230/240V | 220/230/240V | 220/230/240V | 220/230/240V |
| | Rated frequency | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz |
| | Maximum PF | 1 | 1 | 1 | 1 |
| | Voltage accuracy | ±1% | ±1% | ±1% | ±1% |
| | THDv | <1% linear load <5% non linear load | <1% linear load <5% non linear load | <1% linear load <5% non linear load | <1% linear load <5% non linear load |
| | Transfer time | 0ms(10ms @ ECO->Inverter) | 0ms(10ms @ ECO->Inverter) | 0ms(10ms @ ECO->Inverter) | 0ms(10ms @ ECO->Inverter) |
| | Crest Ratio | max 3:1 | max 3:1 | max 3:1 | max 3:1 |
| | Overload(line mode) | 100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms. | 100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms. | 100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms. | 100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms. |
| Output connection | Wiring/socket | L/N/PE hardware terminal connection | L/N/PE hardware terminal connection | L/N/PE hardware terminal connection | L/N/PE hardware terminal connection |
| Battery | Voltage | 192VDC(192-240VDC adjustable) | 192VDC(192-240VDC adjustable) | 192VDC(192-240VDC adjustable) | 192VDC(192-240VDC adjustable) |
| | Capacity(AH) | 16*12V/7Ah, 16-20pcs adjustable | NA | 16*12V/9Ah, 16-20pcs adjustable | NA |
| | Backup time PF=0.9; 100% load) | 4.5min | NA | 3min | NA |
| Maximum connect external battery module quantity | External battery module quantity | 6 | 6 | 6 | 6 |
| Charger | Maximum charging current | 1.4A(0-4A adjustable) | 4A(2-12A adjustable) | 2A(0-4A adjustable) | 4A(2-12A adjustable) |
| | Recharging time | 3h to 90% | 3h to 90% | 3h to 90% | 3h to 90% |
| Other working mode | CVCF | Yes (derating to 60% load) | Yes (derating to 60% load) | Yes (derating to 60% load) | Yes (derating to 60% load) |
| | Parallel | Optional (up to 3) | Optional (up to 3) | Optional (up to 3) | Optional (up to 3) |

Product specification

| Model name | | ATN TM11 6K | ATN TM11 6KS | ATN TM11 10K | ATN TM11 10KS |
|----------------------|---------------------------|--|--|--|--|
| Output performance | Rated voltage | 220/230/240V | 220/230/240V | 220/230/240V | 220/230/240V |
| | Rated frequency | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz |
| | Maximum PF | 1 | 1 | 1 | 1 |
| | Voltage accuracy | ±1% | ±1% | ±1% | ±1% |
| | THDv | <1% linear load <5% non linear load | <1% linear load <5% non linear load | <1% linear load <5% non linear load | <1% linear load <5% non linear load |
| | Transfer time | 0ms(10ms @ ECO->Inverter) | 0ms(10ms @ ECO->Inverter) | 0ms(10ms @ ECO->Inverter) | 0ms(10ms @ ECO->Inverter) |
| | Crest Ratio | max 3:1 | max 3:1 | max 3:1 | max 3:1 |
| | Overload (line mode) | 100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms. | 100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms. | 100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms. | 100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms. |
| Physical performance | Dimension(W*D*H)mm | 220*492*589 | 220*492*348 | 220*492*589 | 220*492*348 |
| | Net Weight(KG) | 52.7 | 13 | 60.3 | 15.2 |
| | IP protection level | IP20 | IP20 | IP20 | IP20 |
| Environment | Operating temperature | 0-50°C (power derating to 50% @40-50°C) | 0-50°C (power derating to 50% @40-50°C) | 0-50°C (power derating to 50% @40-50°C) | 0-50°C (power derating to 50% @40-50°C) |
| | Relative Humidity | 0-95% | 0-95% | 0-95% | 0-95% |
| | Operating Altitude | 0~3000m (the load derating 1% every up 100m @1000~3000m) | 0~3000m (the load derating 1% every up 100m @1000~3000m) | 0~3000m (the load derating 1% every up 100m @1000~3000m) | 0~3000m (the load derating 1% every up 100m @1000~3000m) |
| | Acoustic Noise | <45dB @ typical load with battery fully charged | <45dB @ typical load with battery fully charged | <50dB @ typical load with battery fully charged | <50dB @ typical load with battery fully charged |
| Certification | Certification/standard | CE,IEC/EN 62040 | CE,IEC/EN 62040 | CE,IEC/EN 62040 | CE,IEC/EN 62040 |
| EMI | Conduction/Radiation | C3 | C3 | C3 | C3 |
| EMS | ESD | IEC/EN 61000-4-2 | IEC/EN 61000-4-2 | IEC/EN 61000-4-2 | IEC/EN 61000-4-2 |
| | RS | IEC/EN 61000-4-3 | IEC/EN 61000-4-3 | IEC/EN 61000-4-3 | IEC/EN 61000-4-3 |
| | EFT | IEC/EN 61000-4-4 | IEC/EN 61000-4-4 | IEC/EN 61000-4-4 | IEC/EN 61000-4-4 |
| | Surge | IEC/EN 61000-4-5 | IEC/EN 61000-4-5 | IEC/EN 61000-4-5 | IEC/EN 61000-4-5 |
| Accessory | Maintenance bypass switch | Standard offer | Standard offer | Standard offer | Standard offer |
| | Input power cable | NA | NA | NA | NA |
| | Output power cable | NA | NA | NA | NA |
| | EBM cable | yes(in EBM) | yes(in EBM) | yes(in EBM) | yes(in EBM) |
| | USB cable | Yes | Yes | Yes | Yes |
| | RS232 cable | Optional | Optional | Optional | Optional |
| | Manual | Yes | Yes | Yes | Yes |

Product rear panel



ATN TM11 6K



ATN TM11 6KS



ATN TM11 10K



ATN TM11 10KS



ATN TM11 6-10K
EBM-32batt

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