

Aegis Super

200KVA ~ 1200KVA

PF 0.9 / 1.0 (3:3)



Features

- Multi-DSP design that ensures fast and reliable control and switching
- Online double conversion architecture with strong load capacity
- High efficiency up to 96.8%, reducing power loss
- Input power factor up to 0.99, THDi < 3%
- Wide input voltage range and 50 / 60 Hz auto-sensing frequency designed for harsh electrical environments
- Soft-start technology improves generator matching up to 1:1.1
- Two modes of frequency conversion: 50 Hz input / 60 Hz output and 60 Hz input / 50 Hz output
- Input, output, bypass and maintenance switches are supplied as standard, power distribution system are integrated inside the UPS cabinet
- Easy Installation and reducing total cost of ownership (TCO)
- Intelligent hibernation mode upgrading enables UPS to operate efficiently at low load rate
- Advanced multi-parallel technology, supporting 4 units connected in parallel for 4800 kVA of maximum capacity
- Share battery pack in parallel operation, saving user's battery cost
- Flexible charging parameters setting and battery configurations
- Intelligent load test mode, combination of power supply modes of mains power and battery power, independent full power charger, flexible energy storage solution, supporting lithium-ion batteries
- Intelligent battery management (intelligent charge and discharge management and floating charge voltage temperature compensation) extending the battery life
- Support cold start with battery and auto restart with mains power
- Self-aging function to simplify debugging and test on site
- N+1 redundancy design for fans, equipped with fault early warning function
- Effective hardware and software protection, robust self-diagnosis function, abundant event log
- 7 inches LCD colorful touch screen, friendly human & machine interface
- Advanced multi-platform communication: CAN, RS232, USB, RS485, LBS, RJ45, dry contacts, SNMP card, Wi-Fi card and GPRS card

Technical specifications

| MODEL | AGS200 -SP | AGS250 -SP | AGS300 -SP | AGS400 -SP | AGS500 -SP | AGS600 -SP | AGS750 -SP | AGS900 -SP | AGS1000 -SP | AGS1200 -SP |
|---|---|-------------------|---|--|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|
| Capacity | 200 KVA 200 KW | 250 KVA 250 KW | 300 KVA 270 KW | 400 KVA 400 KW | 500 KVA 500 KW | 600 KVA 540 KW | 750 KVA 750 KW | 900 KVA 810 KW | 1000 KVA 1000 KW | 1200 KVA 1080 KW |
| INPUT | | | | | | | | | | |
| Input wiring | Three-phase five-wire (3Φ+N+PE) | | | | | | | | | |
| Rated voltage | 380 / 400 / 415 Vac | | | | | | | | | |
| Voltage range | 260 ~ 460 Vac | | | | | | | | | |
| Frequency range | 40 ~ 70 Hz | | | | | | | | | |
| Power factor | ≥ 0.99 | | | | | | | | | |
| Current distortion | < 3% | | | | | | | | | |
| OUTPUT | | | | | | | | | | |
| Output wiring | Three-phase five-wire (3Φ+N+PE) | | | | | | | | | |
| Rated voltage | 380 / 400 / 415 Vac | | | | | | | | | |
| Voltage regulation | ± 1% | | | | | | | | | |
| Frequency | Synchronized with utility in mains mode, 50 / 60 Hz ± 0.05% in battery mode | | | | | | | | | |
| Waveform | Sinusoidal | | | | | | | | | |
| Total harmonic distortion (THDv) | ≤ 2% (linear load), ≤ 5% (non-linear load) | | | | | | | | | |
| Crest factor | 3:1 | | | | | | | | | |
| Overload | 105%~110% for 60 min, 110%~125% for 10 min, 125% ~ 150% for 1 min | | | | | | | | | |
| BATTERIES | | | | | | | | | | |
| Battery voltage | 480 Vdc (456 / 468 / 492 / 504 Vdc selectable) | | | | | | | | | |
| Number of battery | 12 V 40 pcs (38 / 39 / 41 / 42 pcs selectable) | | | | | | | | | |
| SYSTEM | | | | | | | | | | |
| Efficiency | 96.8% | | | | | | | | | |
| Transfer time | 0 ms | | | | | | | | | |
| Protection | Phase loss, phase error, short-circuit, overload, overtemperature, battery low voltage, output undervoltage, fan failure etc. | | | | | | | | | |
| Max. number of parallel connections | 4 | | | | | | | | | |
| Communications | Standard configurations: CAN, RS232, RS485, USB, LBS, RJ45, dual intelligent card slots, programmable dry contacts; Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card | | | | | | | | | |
| Display | 7 inches LCD touch screen | | | | | | | | | |
| OTHERS | | | | | | | | | | |
| Operating temperature | 0°C ~ 40°C at full load, 40°C ~ 50°C derating 3% for each additional 1°C | | | | | | | | | |
| Storage temperature | - 25°C ~ 60°C | | | | | | | | | |
| Relative humidity | 0 ~ 95% (non-condensing) | | | | | | | | | |
| Altitude | ≤ 1000 m. Above 1000 m, derating 1% for each additional 100 m | | | | | | | | | |
| IP rating | IP 20 | | | | | | | | | |
| Noise level at 1 m | ≤ 70 dB | | | | | | | | | |
| Dimensions (W × D × H) (mm) | 1350 × 900 × 1950 | 1950 × 900 × 1950 | 3700 × 900 × 1950 | 4500 × 900 × 1950 | | | | | | |
| Packaged dimensions (W × D × H) (mm) | 1444 × 990 × 2155 | 2040 × 990 × 2155 | 1790 × 990 × 2155 + 2090 × 990 × 2155 | 1840 × 990 × 2155 + 2090 × 990 × 2155 + 834 × 990 × 2155 | | | | | | |
| Net weight (kg) | 880 | 1500 | 2550 | 3150 | | | | | | |
| Gross weight (kg) | 940 | 1570 | 2700 | 3350 | | | | | | |

- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.