EA990 Super

200 kVA ~ 1200 kVA (3:3) PF 0.9 / 1.0



EA990 Super series 200 ~ 1200 kVA UPSs are double conversion online UPS with latest IGBT module and interleaving parallel technology. The series adopts modular design and scales using 300 kVA / 270 kW power cabinets. Power cabinets can be added after initial installation to allow for load growth or increased redundancy. It is available in 200 ~ 1200 kVA stand alone and in parallel from 200 kVA to 4800 kVA, delivering the best combination of high performance, availability and superior protection function to ensure power continuity for any type of application including data centers, large-scale industrial processes, telecommunications, security and electro-medical and other critical systems.

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

Specifications

| Input wiring | MODEL | EA99200 -SP | EA99250 -SP | EA99300 -SP | EA99400 -SP | EA99500 -SP | EA99600 -SP | EA99750 -SP | EA99900 -SP | EA991000 -SP | EA991200 -SP |
|--|--|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------------|
| Input wiring | Capacity | | | | | | | | 1 | 1 | 1200 kVA, 1080 kW |
| Rated voltage | INPUT | | | | | | | | | | |
| Voltage range 260 - 460 Vac | Input wiring | Three-phase five-wire (3 Φ +N+PE) | | | | | | | | | |
| Frequency range | Rated voltage | 380 / 400 / 415 Vac | | | | | | | | | |
| Bypass voltage range | Voltage range | 260 ~ 460 Vac | | | | | | | | | |
| Bypass voltage range 278 - 478 Vac | Frequency range | 40 ~ 70 Hz | | | | | | | | | |
| Total harmonic distortion (THDi) | Power factor | ≥ 0.99 | | | | | | | | | |
| Output wiring Three-phase five-wire (3 ⊕ +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 (THD) ≤ 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 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 Efficiency 96.8% Transfer time 0 ms Protections Phase loss, phase error, short-circuit, overload, overtemperature, battery low voltage, output undervoltage, lan failure etc. Max. number of parallel connections 4 Communications Standard configurations: CAN, RS232, RS45, USB, LBS, RJ45, dual intelligent card slots, programmable dry contacts; Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card Objects the middle of the parallel card of the parallel card, SNMP card, GPRS card, Wi-Fi card 0°C ~ 40°C at full load, 40°C ~ 50°C derati | Bypass voltage range | 278 ~ 478 Vac | | | | | | | | | |
| Output wirring 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 Phase loss, phase error, short-circuit, overload, overtemperature, battery low voltage, output undervoltage, fan failure etc. Agaz, 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 de | distortion (THDi) | < 3% | | | | | | | | | |
| Rated voltage | OUTPUT | | | | | | | | | | |
| Voltage regulation ± 1% Frequency Synchronized with utility in mains mode; 50 / 60 Hz ± 0.05% in battery mode Waveform Sinuspidal 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 SYSTEM Efficiency 96.8% Transfer time 0 ms Protections Phase loss, phase error, short-circuit, overload, overtemperature, battery low voltage, output undervoltage, fan failure etc. Max. number of parallel card, sumber of parallel card, sumber of parallel card, sumber of parallel card, SIMP card, GPRS card, Wi-Fi card Communications Standard configurations: CAN, RS232, RS485, USB, LBS, RJ45, dual intelligent card slots, programmable dry contacts; Optional configurations: Parallel card, SIMP card, GPRS card, Wi-Fi card OTHERS Optional configurations: Parallel card, SIMP card, GPRS card, Wi-Fi card Operating temperature 0°C ~ 40°C at full load, 40°C ~ 50°C derating 3% for each additional 1°C Cord = 60°C | | Three-phase five-wire (3Φ+N+PE) | | | | | | | | | |
| Frequency Synchronized with utility in mains mode; 50 / 60 Hz ± 0.05% in battery mode | | | | | | | | | | | |
| Sinusoidal | Voltage regulation | | | | | | | | | | |
| Total harmonic distortion (THDv) Section State Section S | Frequency | Synchronized with utility in mains mode; 50 / 60 Hz ± 0.05% in battery mode | | | | | | | | | |
| 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 SYSTEM Efficiency 96.8% Transfer time 0 ms Protections 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 \$ 70 dB Dimensions (W × D × H) (mm) 1350 × 900 × 1950 | Waveform | Sinusoidal | | | | | | | | | |
| Overload 105%~110% for 60 min, 110%~125% for 10 min, 125% ~ 150% for 1 min BATTERIES Battery voltage 480 Vdc (456 / 488 / 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 Protections 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 Storage temperature 200 × 900 × 1950 3700 × 900 × 1950 4500 × 900 × 1950 | | | | | | | | | | | |
| ## Battery voltage 480 Vdc (456 / 468 / 492 / 504 Vdc selectable) | | = 11 | | | | | | | | | |
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| Number of battery 12 V 40 pcs (38 / 39 / 41 / 42 pcs selectable) SYSTEM Efficiency 96.8% Transfer time Phase loss, phase error, short-circuit, overload, overtemperature, battery low voltage, output undervoltage, fan failure etc. Max. number of parallel connections 4 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 OPTHERS Operating temperature 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 20 Noise level at 1 m \$ 70 dB Dimensions (W × D × H) (mm) 1350 × 900 × 1950 1950 × 900 × 1950 3700 × 900 × 1950 1840 × 990 × 215 | BATTERIES | | | | | | | | | | |
| ### Efficiency | | | | | | | | | | | |
| Efficiency 96.8% Transfer time 0 ms Protections 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 1840 × 990 × 2155 Packaged dimensions (W × D × H) (mm) 1444 × 990 × 2155 2040 × 990 × 2155 1790 × 990 × 2155 834 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | | 12 V 40 pcs (38 / 39 / 41 / 42 pcs selectable) | | | | | | | | | |
| Transfer time 0 ms Protections 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 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 × 2155 1840 × 990 × 215 2090 × 990 × 215 4 2090 × 990 × 215 2090 × 990 × 215 834 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | | | | | | | | | | | |
| Protections 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 OPTHERS 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 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 1840 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | , | | | | | | | | | | |
| 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 × 215 1840 × 990 × 215 / 2090 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | Transfer time | | | | | | | | | | |
| $\frac{4}{\text{Communications}} = \frac{4}{\text{Communications}} = \frac{4}{\text{Communications}} = \frac{4}{\text{Standard configurations: CAN, RS232, RS485, USB, LBS, RJ45, dual intelligent card slots, programmable dry contacts;}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{\text{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card}} = \frac{6}{Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi $ | | | | | | | | | | | |
| Communications programmable dry contacts; Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card Optional configurations: Parallel card, SNMP card, GPRS card, Wi-Fi card 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 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 1840 × 990 × 2155 2090 × 990 × 2155 834 × 990 × 215 834 × 990 × 215 834 × 990 × 215 834 × 990 × 215 834 × 990 × 215 834 × 990 × 215 836 × 900 × 215 83150 | | 4 | | | | | | | | | |
| 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 × 21 / 2090 × 990 × 21 / 2090 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | Communications | programmable dry contacts; | | | | | | | | | |
| 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 1840 × 990 × 2155 Net weight (kg) 880 1500 2550 3150 | Display | 7 inches LCD touch screen | | | | | | | | | |
| Storage temperature 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 1840 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | OTHERS | | | | | | | | | | |
| 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 1840 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | Operating temperature | | 0°0 | c ~ 40°C at | full load, 40 | 0°C ~ 50°C | derating 39 | % for each | additional | 1°C | |
| 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 + 2090 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | Storage temperature | −25°C ~ 60°C | | | | | | | | | |
| 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 × 195 Packaged dimensions (W × D × H) (mm) 1444 × 990 × 2155 2040 × 990 × 2155 1790 × 990 × 2155 + 2090 × 990 × 215 2090 × 990 × 215 Net weight (kg) 880 1500 2550 3150 | Relative humidity | | | | | | | | | | |
| Noise level at 1 m ≤ 70 dB Dimensions (W x D x H) (mm) 1350 x 900 x 1950 1950 x 900 x 1950 3700 x 900 x 1950 4500 x 900 x 1950 Packaged dimensions (W x D x H) (mm) 1444 x 990 x 2155 2040 x 990 x 2155 1790 x 990 x 2155 1840 x 990 x 21 x 2155 Net weight (kg) 880 1500 2550 3150 | Altitude | | | | | | | | | | |
| Dimensions (W × D × H) (mm) 1350 × 900 × 1950 1950 2040 × 990 × 1950 3700 × 900 × 1950 4500 × 900 × 1950 4500 × 900 × 1950 4500 × 900 × 1950 4500 × 900 × 1950 1840 × 990 × 215 1790 × 990 × 2155 + 2090 × 990 × 2155 + 2090 × 990 × 2155 1840 × 990 × 215 1840 × 990 × 2150 1840 × 990 × | IP rating | | | | | | | | | | |
| (W x D x H) (mm) 1350 x 900 x 1950 1950 x 900 x 1950 3700 x 900 x 1950 4500 x 900 x 1950 4500 x 900 x 1950 4500 x 900 x 195 | Noise level at 1 m | ≤ 70 dB | | | | | | | | | |
| Packaged dimensions (W x D x H) (mm) 1444 x 990 x 2155 2040 x 990 x 2155 1790 x 990 x 2155 + 2090 x 990 x 2155 + 2090 x 990 x 2155 + 834 x 990 x 215 Net weight (kg) 880 1500 2550 3150 | | 1350 | × 900 × 1 | 950 | 1950 |) × 900 × | 1950 | 3700 × 9 | 00 × 1950 | 4500 × 9 | 00 × 1950 |
| | Packaged dimensions $(W \times D \times H)$ (mm) | 1444 | × 990 × 2 | 2155 | 2040 |) × 990 × | 2155 | | + | 2090 × 9 | + 90 × 215 + |
| Gross weight (kg) 940 1570 2700 3350 | Net weight (kg) | | 880 | | | 1500 | | 25 | 550 | 31 | 50 |
| | Gross weight (kg) | | 940 | | | 1570 | | 27 | 700 | 33 | 50 |

[•] All specifications are subject to change without notice.

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Custom-made specifications are acceptable