

400Hz Power Supply / Ground Power Unit



NEW

Trailer Type

AMV series is a new generation of ground power unit which designed for aviation and military industry. Its compact size and light weight make it suitable for airport, flight test station, aircraft maintenance station, hangar, product assembly line and other places. It provides a stable 400Hz power (optional 800Hz available), with good environmental proof design and outdoor capability.

The output voltage of AMV series are 115 / 200V or 115 / 200V \pm 10% which is easy for voltage adjustment. AMV series comes with two kinds of output frequency, 400Hz fixed or 300-500Hz adjustable.

Robust overload capacity can handle the inrush current of military or aviation equipment. Enclosure protection level is up to IP54 and it has stand-alone or trailer model available for different applications.

Product Features

- VFD operation interface: intuitive, easy to use and high protection level and phase angle adjustment.
- Overload Capacity : 125% for 600 secs, 150% for 30 secs, 200% for 10 secs, and extended overload is optional.
- EF signal chain function.
- Enclosure protection rating is up to IP54; all parts are treated with salt corrosion-resisting, damp-resisting and mold-resisting coat; the working temperature can be up to -40°C ~ 55°C.
- Complied with MIL-STD-704.
- Optional dual outputs for multiple load applications.
- Emergency stop button to stop the output quickly.
- Comprehensive protections which include output undervoltage /overvoltage, overcurrent, overload, input undervoltage/overvoltage, overheat and other more than twenty fault conditions.
- Modularized inverter which is compact, smaller, high power density and easy to maintain.

Output Power

30kVA~180kVA

Interfaces

Standard **RS-485**

Applications

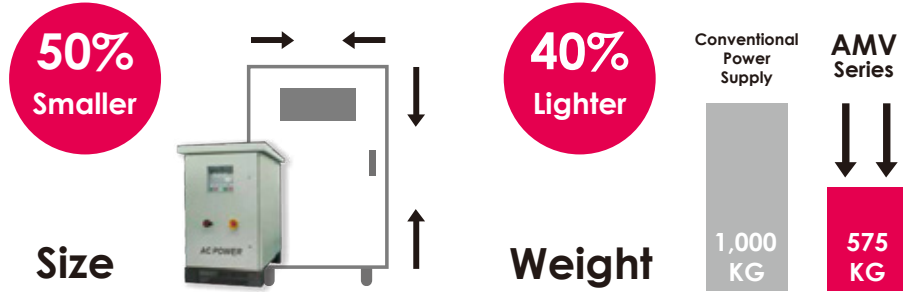
- Aerospace & Defense
- Repair Station
- Hangar
- Avionic Laboratory

QR Code



Product
Info.

Compact & Lighter



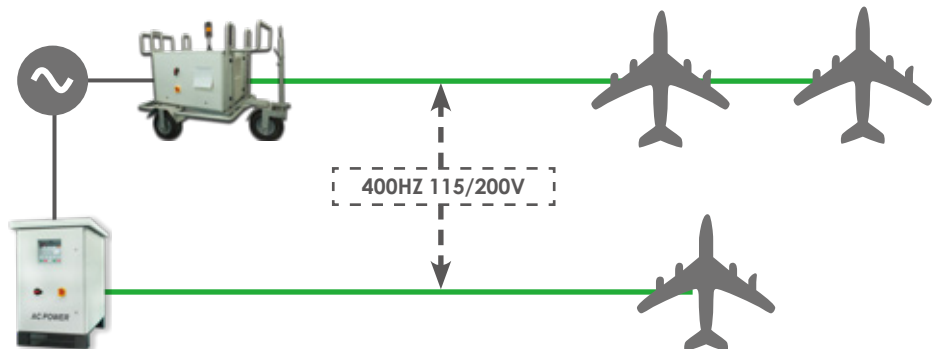
Preen's latest ground power unit, the AMV series, has been greatly improved on size and weight. Compared to the previous version ground power unit, the AMV series can be up to 50% smaller and 40% lighter. This leading power density makes it easier on installation and relocation, providing a great flexibility.

High Overload Capability & Rugged Design



With the protection level up to IP 54, the AMV series is a ground power unit designed for outdoor usage. The overall design and main components have been ruggedized for harsh environments. For inductive type of DUT, such as motor or compressor, the AMV series has standard overload capability of 125%, 150% and 200%, and it is extensible up to 300%, which makes it suitable for DUT with high startup inrush current and can further reduce the cost on scaling up the power unit.

Ground Power Applications



The AMV series has been widely installed at hangars, airports, aircraft repair stations and factories to deliver stable 400Hz or up to 800Hz power to aircraft or components. User can also select dual outputs to power up multiple units with one AMV series. The AMV series can be installed on a trailer for easy relocation and to provide user with great convenience.

SPECIFICATIONS

AMV Series Three-Phase Output (30kVA - 180kVA)

| Model | AMV-33030 | AMV-33045 | AMV-33060 | AMV-33090 | AMV-33120 | AMV-33150 | AMV-33180 |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------------------------|-----------|-----------------------------|-----------|
| INPUT | | | | | | | |
| Phase | 3Ø / 3 Wire + G | | | | | | |
| Voltage ^{*1} | 380V±15% | | | | | | |
| Frequency | 50 Hz ± 3Hz · 60Hz ± 3Hz | | | | | | |
| Max. Current ^{*2} | 61.8A | 92.8A | 123.7A | 185.5A | 247.3A | 309.2A | 371A |
| Power Factor | ≥ 0.94 (Max. Power) | | | | | | |
| OUTPUT | | | | | | | |
| Power | 30kVA | 45kVA | 60kVA | 90kVA | 120kVA | 150kVA | 180kVA |
| Phase | 3Ø / 4 Wire + G | | | | | | |
| Voltage Ranges | 115 / 200V ±10% | | | | | | |
| Voltage Resolution | 0.1V | | | | | | |
| Voltage Accuracy | 0.5% F.S.+4 counts | | | | | | |
| Frequency Range | AMV-T : 400Hz (Trailer) & AMV-F : 300-500 Hz (Stand-Alone) | | | | | | |
| Frequency Resolution | 0.1Hz | | | | | | |
| Frequency Accuracy | ±0.02% F.S. | | | | | | |
| Max. Current (RMS) | 87A | 130.4A | 173.9A | 260.9A | 347.8A | 434.8A | 521.7A |
| Power Factor | 0.7 lagging to 0.95 leading | | | | | | |
| Line Regulation | ≤ 1% | | | | | | |
| Load Regulation | < 1% (Resistive Load) | | | | | | |
| Total Harmonic Distortion(THD) | ≤ 2% (Resistive Load) | | | | | | |
| Response Time | ≤ 2ms | | | | | | |
| Phase Angle | For Balanced Load: 120°±1° ; For 30% Unbalanced Load: 120°±1.5° ; For 100% Unbalanced Load: 120°±2° | | | | | | |
| MEASUREMENT | | | | | | | |
| Voltage Range | 0V-300.0V | | | | | | |
| Voltage Resolution | 0.1V | | | | | | |
| Voltage Accuracy | 0.5% F.S.+4 counts | | | | | | |
| Frequency Range | 300.0-500.0Hz | | | | | | |
| Frequency Resolution | 0.1 Hz | | | | | | |
| Frequency Accuracy | ±0.1% F.S. | | | | | | |
| Current Range(RMS) | 0-9999A | | | | | | |
| Current Resolution(RMS) | 0.1A | | | | | | |
| Current Accuracy(RMS) | 0.5% F.S.+4 counts | | | | | | |
| GENERAL | | | | | | | |
| Efficiency | ≥ 92% at Max. Power | | | | | | |
| HMI | VFD HMI | | | | | | |
| Overload Capacity | Standard : 125%(60s) / 150% (30s) / 200% (10s) Option : 150%(60s) / 200% (30s) / 250% (10s) / 300% (1s) | | | | | | |
| Protection | Class D Lighting Protection, Input LVP, Input Phase Loss, OVP, LVP, OCP, OPP, Short Circuit, OTP, OFP | | | | | | |
| Remote Interface | RS-485 | | | | | | |
| Operational Temperature | -40°C ~ +55°C | | | | | | |
| Storage Temperature | -45°C ~ +65°C | | | | | | |
| Humidity | 0~90% (Non condensing) | | | | | | |
| IP Level | IP54 | | | | | | |
| EF Signal | Standard | | | | | | |
| STAND-ALONE | | | | | | | |
| Dimensions (H x W x D) | 1205 x 780 x 1045 mm | | | 1555 x 780 x 1095 mm | | 1600 x 820 x 1195 mm | |
| | 47.44 x 30.7 x 41.14 inch | | | 61.22 x 30.7 x 43.11 inch | | 62.99 x 32.28 x 47.04 inch | |
| Weight | 330kg | 410kg | 493kg | 575kg | 780kg | 850kg | 980kg |
| | 727.5lbs | 903.9lbs | 1086.9lbs | 1267.7lbs | 1719.6lbs | 1873.9lbs | 2160.5lbs |
| TRAILER | | | | | | | |
| Dimensions (H x W x D) | 1460 x 2013 x 1358 mm | | | 1460 x 2945 x 1430 mm | | 1510 x 3045 x 1530 mm | |
| | 57.48 x 79.25 x 53.46 inch | | | 57.48 x 115.94 x 56.29 inch | | 59.44 x 119.88 x 60.23 inch | |
| Weight | 480kg | 560kg | 643kg | 725kg | 850kg | 1020kg | 1170kg |
| | 1058.2lbs | 1234.6lbs | 1417.6lbs | 1598.4lbs | 1873.9lbs | 2248.7lbs | 2579.4lbs |

*1 Please contact for other voltage specification.

*2 The rated input voltage is 380V.

* all specifications are subject to change without notice.

ORDERING INFORMATION

AMV-T Series Three-Phase Output (30kVA - 180kVA)

| Model Number | Description |
|--------------|----------------------------------------------|
| AMV-T-33030 | Ground Power Unit(30kVA/115V/400Hz)-Trailer |
| AMV-T-33045 | Ground Power Unit(45kVA/115V/400Hz)-Trailer |
| AMV-T-33060 | Ground Power Unit(60kVA/115V/400Hz)-Trailer |
| AMV-T-33090 | Ground Power Unit(90kVA/115V/400Hz)-Trailer |
| AMV-T-33120 | Ground Power Unit(120kVA/115V/400Hz)-Trailer |
| AMV-T-33150 | Ground Power Unit(150kVA/115V/400Hz)-Trailer |
| AMV-T-33180 | Ground Power Unit(180kVA/115V/400Hz)-Trailer |

AMV-F Series Three-Phase Output (30kVA - 180kVA)

| Model Number | Description |
|--------------|--------------------------------------------------|
| AMV-F-33030 | Ground Power Unit(30kVA/115V/400Hz)-Stand-Alone |
| AMV-F-33045 | Ground Power Unit(45kVA/115V/400Hz)-Stand-Alone |
| AMV-F-33060 | Ground Power Unit(60kVA/115V/400Hz)-Stand-Alone |
| AMV-F-33090 | Ground Power Unit(90kVA/115V/400Hz)-Stand-Alone |
| AMV-F-33120 | Ground Power Unit(120kVA/115V/400Hz)-Stand-Alone |
| AMV-F-33150 | Ground Power Unit(150kVA/115V/400Hz)-Stand-Alone |
| AMV-F-33180 | Ground Power Unit(180kVA/115V/400Hz)-Stand-Alone |

400Hz Power Supply / Ground Power Unit



The AMF series power supply is designed for 400Hz aerospace and military applications, including laboratory use, ground power for hangar and repair station, airport and factory. Stable 400Hz power input helps users on inspections, aging tests, and supplying power to aircraft.

Output voltage of the AMF series is 115/200V with an adjustable range of $\pm 10\%$. Users can switch between output frequency 400Hz fixed and 350~450Hz adjustable. With overload drive capability and reverse energy protection, the AMF series is ideal for motor, aerospace and military types of application

Product Features

- Output voltage 115/200V with an adjustable range of $\pm 10\%$ and two types of output frequency 400Hz fixed and 350~450Hz adjustable
- Optional overload function: 120% for 60 mins, 150% for 60 secs, and 200% for 15 secs.
- Follows standards of MIL-STD-704 F.
- 4 LED displays shows measurements of voltage, current, frequency and power.
- Compact size for easier maintenance and high power density.
- Comprehensive protection with corresponding error codes.
- Able to operate under unbalanced load conditions.
- Able to handle reverse energy generated by motor type EUT.

Output Power

500VA~400kVA

Interfaces

Option **RS-485**

Applications

- Aerospace & Defense
- Component Verification
- Repair Stations
- Hangars

QR Code



Product Info.

SPECIFICATIONS

AMF Series Single-Phase Output (500VA - 100kVA)

| Model | AMF-500W | AMF-11001 | AMF-11003 | AMF-11005 | AMF-11010 | AMF-11020 | AMF-31030 | AMF-31045 | AMF-31060 | AMF-31100 | |
|----------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------|---------------------|----------------------------|----------------------------|-----------------------------------------------|----------------------------|-----------|----------------------------|--------|
| INPUT | | | | | | | | | | | |
| Phase | 1 Ø / 2 Wire +G | | | | | | 3Ø / 4 Wire +G (Option : 3Ø / 3 Wire +G) | | | | |
| Voltage ¹ | 220V±15% | | | | | | 220V/380V±15% (Option : 220V±15%) | | | | |
| Frequency | 47-63Hz | | | | | | | | | | |
| Max. Current ² | 7.4A | 14.9A | 21.7A | 36.2A | 72.3A | 145A | 72A | 109A | 145A | 241A | |
| Power Factor | ≥0.8 (Max. Power) | | | | | ≥0.85 (Max. Power) | | | | | |
| OUTPUT | | | | | | | | | | | |
| Power | VA | 500VA | 1kVA | 3kVA | 5kVA | 10kVA | 20kVA | 30kVA | 45kVA | 60kVA | 100kVA |
| Phase | 1 Ø / 2 Wire + G | | | | | | | | | | |
| Voltage Ranges | Standard : 115V±10% Option : 220V±10% or 230V±10% | | | | | | | | | | |
| Voltage Resolution | 0.1V | | | | | | | | | | |
| Voltage Accuracy | 0.5% F.S.+4 counts | | | | | | | | | | |
| Frequency Range | 400Hz fixed and 350Hz ~ 450Hz variable (contact us for other frequency range) | | | | | | | | | | |
| Frequency Resolution | 0.1Hz | | | | | | | | | | |
| Frequency Accuracy | ±0.5% F.S. | | | | | | | | | | |
| Max. Current (RMS) at 115V | 4.3A | 8.7A | 26.1A | 43.5A | 87A | 173.9A | 260.9A | 391.3A | 521.7A | 869.6A | |
| Max. Current (RMS) at 220V (Opt.) | 2.3A | 4.5A | 13.6A | 22.7A | 45.5A | 90.9A | 136.4A | 204.5A | 272.7A | 454.5A | |
| Max. Current (RMS) at 230V (Opt.) | 2.2A | 4.3A | 13.0A | 21.7A | 43.5A | 87.0A | 130.4A | 195.7A | 260.9A | 434.8A | |
| Line Regulation | ≤0.5% | | < 1% | | | | < 1.5% | | | | |
| Load Regulation ³ | ≤ 0.5% | | ≤1% | | | | ≤1.5% | | | | |
| Total Harmonic Distortion (THD) ³ | ≤ 0.5% | | ≤ 2% | | | | ≤3% | | | | |
| Response Time | ≤ 2ms | | | | | | | | | | |
| MEASUREMENT | | | | | | | | | | | |
| Voltage Range | 0V-300.0V | | | | | | | | | | |
| Voltage Resolution | 0.1V | | | | | | | | | | |
| Voltage Accuracy | 0.5% F.S.+4 counts | | | | | | | | | | |
| Frequency Range | 0~999.9Hz | | | | | | | | | | |
| Frequency Resolution | 0.1Hz | | | | | | | | | | |
| Frequency Accuracy | ±0.5% F.S. | | | | | | | | | | |
| Current Range (RMS) | 0-999A | | | | | | | | | | |
| Current Resolution (RMS) | 0.001A / 0.01A | | 4 Digits Meter / Resolution : 0.1A | | | | 4.5 Digits Meter / Resolution : 0.1A | | | | |
| Current Accuracy (RMS) | 0.2% F.S.+4 counts | | | | | | | | | | |
| GENERAL | | | | | | | | | | | |
| Efficiency | ≥ 45% at Max. Power | | | ≥ 87% at Max. Power | | | | | | | |
| HMI | Digital LED Meters | | | | | | | | | | |
| Overload Capacity | - | | 120%/1 hour, 150%/1 minute, 200%/15 seconds ⁴ | | | | | | | | |
| Protection | Input / Output Circuit Breakers and Protection Circuitry for OVP, OCP, OPP, OTP and Short Circuit | | | | | | | | | | |
| Operational Temperature | -20°C ~ 45°C | | | | | | | | | | |
| Humidity | 0~90% (Non condensing) | | | | | | | | | | |
| Altitude | < 1,500m | | | | | | | | | | |
| Dimensions (H x W x D) | 200 x 430 x 520 mm | 720 x 430 x 520 mm | | | 990 x 430 x 750 mm | 1240 x 600 x 970 mm | | 1600 x 800 x 1090 mm | | 1800 x 1050 x 970 mm | |
| | 7.87 x 16.92 x 20.47 inch | 28.34 x 16.92 x 20.47 inch | | | 38.97 x 16.92 x 29.52 inch | 48.81 x 23.62 x 38.18 inch | | 62.99 x 31.49 x 42.91 inch | | 70.86 x 41.33 x 38.18 inch | |
| Weight | 44kg | 60kg | 73kg | 89kg | 150kg | 280kg | 333kg | 418kg | 571kg | 898kg | |
| | 97lbs | 132.3lbs | 160.9lbs | 196.2lbs | 330.7lbs | 617.3lbs | 734.1lbs | 921.5lbs | 1258.8lbs | 1979.8lbs | |

*1 Please contact us for other voltage specification.

*2 The rated input voltage is 220V or 220V/380V.

*3 Resistive load.

*4 all specifications are subject to change without notice.

SPECIFICATIONS

AMF Series Three-Phase Output (6kVA - 75kVA)

| Model | AMF-33006 | AMF-33010 | AMF-33015 | AMF-33020 | AMF-33030 | AMF-33045 | AMF-33060 | AMF-33075 | |
|---------------------------------|--------------------------------------------------------------------------------------------------|-----------|----------------------------|-----------|-----------|----------------------------|--------------------------------------|-----------|-------|
| INPUT | | | | | | | | | |
| Phase | 3Ø / 4 Wire + G (Option : 3Ø / 3 Wire + G) | | | | | | | | |
| Voltage ^{*1} | 220V/380V±15% (Option : 220V±15%) | | | | | | | | |
| Frequency | 47-63Hz | | | | | | | | |
| Max. Current ^{*2} | 14.5A | 24.1A | 36.2A | 48.2A | 72.3A | 108.5A | 144.6A | 180.8A | |
| Power Factor | ≥ 0.85 (Max. Power) | | | | | | | | |
| OUTPUT | | | | | | | | | |
| Power | VA | 6kVA | 10kVA | 15kVA | 20kVA | 30kVA | 45kVA | 60kVA | 75kVA |
| Phase | 3Ø / 4 Wire + G | | | | | | | | |
| Voltage Ranges | 115V/200V±10% | | | | | | | | |
| Voltage Resolution | 0.1V | | | | | | | | |
| Voltage Accuracy | 0.5% F.S.+4 counts | | | | | | | | |
| Frequency Range | 400Hz fixed and 350Hz ~ 450Hz variable (contact us for other frequency range) | | | | | | | | |
| Frequency Resolution | 0.1Hz | | | | | | | | |
| Frequency Accuracy | ±0.5% F.S. | | | | | | | | |
| Max. Current (RMS) | 17.4A | 29A | 43.5A | 58A | 87A | 130.4A | 173.9A | 217.4A | |
| Line Regulation | ≤0.5% | | | | | | ≤ 1% | | |
| Load Regulation | ≤ 1% | | | | | | ≤ 1.5% | | |
| Total Harmonic Distortion (THD) | ≤ 2% | | | | | | ≤ 3% | | |
| Response Time | ≤ 2ms | | | | | | | | |
| MEASUREMENT | | | | | | | | | |
| Voltage Range | 0V-300.0V | | | | | | | | |
| Voltage Resolution | 0.1V | | | | | | | | |
| Voltage Accuracy | 0.5% F.S.+4 counts | | | | | | | | |
| Frequency Range | 0~999.9Hz | | | | | | | | |
| Frequency Resolution | 0.1Hz | | | | | | | | |
| Frequency Accuracy | ±0.5% F.S. | | | | | | | | |
| Current Range(RMS) | 0-999A | | | | | | | | |
| Current Resolution(RMS) | 4 Digits Meter / Resolution : 0.1A | | | | | | 4.5 Digits Meter / Resolution : 0.1A | | |
| Current Accuracy(RMS) | 0.2% F.S.+4 counts | | | | | | | | |
| GENERAL | | | | | | | | | |
| Efficiency | ≥ 87% at Max. Power | | | | | | | | |
| HMI | Digital LED Meters | | | | | | | | |
| Phase Angle | For Balanced Load:≤ ± 2° ; For 100% Unbalanced Load:≤ ± 4° | | | | | | | | |
| Overload Capacity | 120%/1 hour, 150%/1 minute, 200%/15 seconds | | | | | | | | |
| Protection | Input / Ouput Circuit Breakers and Protection Circuitry for OVP, OCP, OPP, OTP and Short Circuit | | | | | | | | |
| Operational Temperature | -20°C ~ 45°C | | | | | | | | |
| Humidity | 0~90% (Non condensing) | | | | | | | | |
| Altitude | < 1,500m | | | | | | | | |
| Dimensions (H x W x D) | 990 x 430 x 750 mm | | 1240 x 600 x 980 mm | | | 1600 x 800 x 1090 mm | | | |
| | 38.97 x 16.92 x 29.52 inch | | 48.81 x 23.62 x 38.18 inch | | | 62.99 x 31.49 x 42.91 inch | | | |
| Weight | 150kg | 175kg | 265kg | 345kg | 385kg | 528kg | 635kg | 700kg | |
| | 330.7lbs | 385.8lbs | 584.2lbs | 760.6lbs | 848.8lbs | 1164lbs | 1399.9lbs | 1543.2lbs | |

*1 Please contact for other voltage specification.

*2 The rated input voltage is 220V/380V.

* all specifications are subject to change without notice.

SPECIFICATIONS

AMF Series Three-Phase Output (100kVA - 400kVA)

| Model | AMF-33100 | AMF-33120 | AMF-33150 | AMF-33180 | AMF-33200 | AMF-33250 | AMF-33300 | AMF-33400 | |
|--------------------------------|---------------------------------------------------------------------------------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|--------|
| INPUT | | | | | | | | | |
| Phase | 3Ø / 4 Wire + G (Option : 3Ø / 3 Wire + G) | | | | | | | | |
| Voltage ^{*1} | 220V/380V±15% (Option : 220V±15%) | | | | | | | | |
| Frequency | 47-63Hz | | | | | | | | |
| Max. Current ^{*2} | 241A | 289.3A | 361.6A | 433.9A | 482.1A | 602.6A | 723.1A | 964.2A | |
| Power Factor | ≥ 0.85 (Max. Power) | | | | | | | | |
| OUTPUT | | | | | | | | | |
| Power | VA | 100kVA | 120kVA | 150kVA | 180kVA | 200kVA | 250kVA | 300kVA | 400kVA |
| Phase | 3Ø / 4 Wire + G | | | | | | | | |
| Voltage Ranges | 115V/200V±10% | | | | | | | | |
| Voltage Resolution | 0.1V | | | | | | | | |
| Voltage Accuracy | 0.5% F.S.+4 counts | | | | | | | | |
| Frequency Range | 400Hz fixed and 350Hz ~ 450Hz variable (contact us for other frequency range) | | | | | | | | |
| Frequency Resolution | 0.1Hz | | | | | | | | |
| Frequency Accuracy | ±0.5% F.S. | | | | | | | | |
| Max. Current (RMS) | 289.9A | 347.8A | 434.8A | 521.7A | 579.7A | 724.6A | 869.6A | 1159.4A | |
| Line Regulation | ≤ 1% | | | | | | | | |
| Load Regulation | ≤ 1.5% | | | | | | | | |
| Total Harmonic Distortion(THD) | ≤ 3 % | | | | | | | | |
| Response Time | ≤ 2ms | | | | | | | | |
| MEASUREMENT | | | | | | | | | |
| Voltage Range | 0V-300.0V | | | | | | | | |
| Voltage Resolution | 0.1V | | | | | | | | |
| Voltage Accuracy | 0.5% F.S.+4 counts | | | | | | | | |
| Frequency Range | 0~999.9Hz | | | | | | | | |
| Frequency Resolution | 0.1Hz | | | | | | | | |
| Frequency Accuracy | ±0.5% F.S. | | | | | | | | |
| Current Range(RMS) | 0-999A | | | | 0-1999.9A | | | | |
| Current Resolution(RMS) | 4.5 Digits Meter / Resolution : 0.1A | | | | | | | | |
| Current Accuracy(RMS) | 0.2% F.S.+4 counts | | | | | | | | |
| GENERAL | | | | | | | | | |
| Efficiency | ≥ 87% at Max. Power | | | | | | | | |
| HMI | Digital LED Meters | | | | | | | | |
| Phase Angle | For Balanced Load: ≤ ± 2° ; For 100% Unbalanced Load: ≤ ± 4° | | | | | | | | |
| Overload Capacity | 120%/1 hour, 150%/1 minute, 200%/15 seconds | | | | | | | | |
| Protection | Input / Output Circuit Breakers and Protection Circuitry for OVP, OCP, OPP, OTP and Short Circuit | | | | | | | | |
| Operational Temperature | -20°C ~ 45°C | | | | | | | | |
| Humidity | 0~90% (Non condensing) | | | | | | | | |
| Altitude | < 1,500m | | | | | | | | |
| Dimensions (H x W x D) | 1800 x 1050 x 970 mm | | | 1900 x 1150 x 1240 mm | | | 2000 x 2240 x 1240 mm | | |
| | 70.86 x 41.33 x 38.18 inch | | | 74.8 x 45.27 x 48.81 inch | | | 78.7 x 88.18 x 48.81 inch | | |
| Weight | 1000kg | 1200kg | 1350kg | 1800kg | 2000kg | 2270kg | 2740kg | 3030kg | |
| | 2204.6lbs | 2645.5lbs | 2976.2lbs | 3968.3lbs | 4409.2lbs | 5004.5lbs | 6040.7lbs | 6680lbs | |

*1 Please contact for other voltage specification.

*2 The rated input voltage is 220V/380V.

* all specifications are subject to change without notice.