

iMP Series Low Frequency Online UPS

10-100KVA (3Ph in/1Ph out)

10-200KVA (3Ph in/3Ph out)



High intelligence and reliable power supply

- Output power factor 0.8
- Economy mode (ECO)
- Isolation transformers base
- Emergency Power Off (EPO)
- Temperature compensating charger
- Built-in automatic and manual battery test feature
- Full microprocessor control with no break static and manual bypasses
- High level diagnostics: event log with 128 message, states, measurements and alarms

Key Features

- User friendly
- 6 units in parallel
- Pure sine wave output
- Double conversion online
- Use the same battery group when parallel
- Different power rating can parallel together
- Built-in automatic and manual battery test feature

Comprehensive Protection

- Output overload
- Back feed protection
- Static bypass function
- Short circuit protection
- Under-voltage protection
- Self diagnostics upon boot-up
- Battery deep discharge protection
- Inverter over-temperature protection
- Battery over/under voltage protection

Advance Communication

- Generator interface
- RS232 double serial port
- Compatible with TeleNetGuard for remote maintenance
- Advanced, multi-platform communication for all operation systems
- The UPS is supplied with a cable for direct connection to the PC (plug and play)

Industrial
Processes



Data Center



Servers



Local area
Networks





10-40KVA can batteries inside



Inner structure



iMP Series

Low Frequency Online UPS

10-100KVA (3Ph in/1Ph out)

iMP Series Technical Specifications

| Model Power(kVA) | iMP 10-100KVA(3ph in/1ph out) | | | | | | | | |
|----------------------------------|--|-------------|-------------|-------------|-------------|--------------|-------------|---------------|--|
| | 10KVA | 15KVA | 20KVA | 30KVA | 40KVA | 60KVA | 80KVA | 100KVA | |
| Capacity | 8KW | 12KW | 16KW | 24KW | 32KW | 48KW | 64KW | 80KW | |
| Input | | | | | | | | | |
| Rated voltage | 400 Vac three-phase | | | | | | | | |
| Voltage range | ±20% | | | | | | | | |
| Frequency range | 45 ÷ 65Hz | | | | | | | | |
| Power factor | >0.92with harmonic filter | | | | | | | | |
| Current harmonic distortion | <5%with harmonic filter | | | | | | | | |
| Soft Start | 0-100% in10" | | | | | | | | |
| Bypass Input | | | | | | | | | |
| Rated voltage | 230Vac single-phase | | | | | | | | |
| Permitted voltage range | ± 15%(selectable from ±10% to ±25% from front panel) | | | | | | | | |
| Rated frequency | 50/60Hz | | | | | | | | |
| Permitted frequency range | ±2%(selectable from ±1% to ±5% from front panel) | | | | | | | | |
| Standard features | BackFeed portection; split bypass line | | | | | | | | |
| Batteries | | | | | | | | | |
| Type | Maintenance-free lead-acid VRLA AGM / GEL;NiCd | | | | | | | | |
| Maximum recharge current(A) | 0.2 X C10 | | | | | | | | |
| AC ripple voltage | <1% | | | | | | | | |
| Inverter output | | | | | | | | | |
| Rated power(kVA) | 10KVA | 15KVA | 20KVA | 30KVA | 40KVA | 60KVA | 80KVA | 100KVA | |
| Active power(kW) | 8KW | 12KW | 16KW | 24KW | 32KW | 48KW | 64KW | 80KW | |
| Number of phases | 1 | | | | | | | | |
| Rated voltage(V) | 230Vac single-phase | | | | | | | | |
| Regulation of the output voltage | 220 ÷ 244Vac phase/neutral(from contril panel) | | | | | | | | |
| Crest factor(Ipeak/Irms) | 3:1 | | | | | | | | |
| Static stability | ± 1% | | | | | | | | |
| Dynamic stability | ± 5% | | | | | | | | |
| Frequency | 50/60Hz configurable | | | | | | | | |
| Overload | 110% 125% 150% of the rated current for 5h/10'/1' | | | | | | | | |
| Frequency stability | ±0.05% on mains failure | | | | | | | | |
| System | 10KVA | 15KVA | 20KVA | 30KVA | 40KVA | 60KVA | 80KVA | 100KVA | |
| Remote signaling | Volt free contacts | | | | | | | | |
| Remote controls | EPO and Bypass | | | | | | | | |
| Communication | RS232 + romote contacts | | | | | | | | |
| Operation temperature | 0°C/ + 40°C | | | | | | | | |
| Relative humidity | <95% non condensing | | | | | | | | |
| Colour | Light grey (RAL 7035) | | | | | | | | |
| Noise | 54dBA at 1m | 60dBA at 1m | 60dBA at 1m | 65dBA at 1m | 65dBA at 1m | 65dBA at 1m | 65dBA at 1m | 65dBA at 1m | |
| Protection degree | IP20 | | | | | | | | |
| Efficiency Smart Mode | up to 98% | | | | | | | | |
| Compliance | Safety:EN 62040-1-1(Directive 2006/95/EC); EMC:6200-2(Directive 2004/108/EC) | | | | | | | | |
| Weight(KG)N.W | 200 | 220 | 230 | 290 | 340 | 440 | 520 | 770 | |
| Dimensions:(WxDxH)mm | 555X720X1200 | | | | | 800X740X1400 | | 1070X740X1400 | |
| Internal batteries | Yes | Yes | Yes | No | No | No | No | No | |

STANDARD: Conform to GB/IEC regulation : EMC: GB7260.2/IEC62040-2 GB/17626.2~5/IEC61000-4-2~5 SAFETY:GB4943
 Note: Product specifications are subject to change without further notice.

iMP Series

Low Frequency Online UPS

10-200KVA (3Ph in/3Ph out)

iMP Series Technical Specifications

| Model | iMP 10-200KVA(3ph in/3ph out) | | | | | | | | | | | |
|----------------------------------|---|-------|-------|-------|-------|--------------|----------------|--------|---------------|--------|---------------|--|
| Power(kVA) | 10KVA | 15KVA | 20KVA | 30KVA | 40KVA | 60KVA | 80KVA | 100KVA | 120KVA | 160KVA | 200KVA | |
| Capacity | 8KW | 12KW | 16KW | 24KW | 32KW | 48KW | 64KW | 80KW | 96KW | 128KW | 160KW | |
| Input | | | | | | | | | | | | |
| Rated voltage | 400 Vac three-phase | | | | | | | | | | | |
| Voltage range | ± 20% | | | | | | | | | | | |
| Frequency range | 45 ÷ 65Hz | | | | | | | | | | | |
| Power factor | >0.92with harmonic filter | | | | | | | | | | | |
| Current harmonic distortion | <5%with harmonic filter | | | | | | | | | | | |
| Soft Start | 0-100% in10" | | | | | | | | | | | |
| Bypass Input | | | | | | | | | | | | |
| Rated voltage | 400Vac single-phase | | | | | | | | | | | |
| Permitted voltage range | ± 15%(selectable from ± 10% to ± 25% from front panel) | | | | | | | | | | | |
| Rated frequency | 50/60Hz | | | | | | | | | | | |
| Permitted frequency range | ± 2%(selectable from ± 1% to ± 5% from front panel) | | | | | | | | | | | |
| Standard features | BackFeed protection; split bypass line | | | | | | | | | | | |
| Batteries | | | | | | | | | | | | |
| Type | Maintenance-free lead-acid VRLA AGM / GEL;NiCd | | | | | | | | | | | |
| Maximum recharge current(A) | 0.2 X C10 | | | | | | | | | | | |
| AC ripple voltage | <1% | | | | | | | | | | | |
| Inverter output | | | | | | | | | | | | |
| Rated power(kVA) | 10KVA | 15KVA | 20KVA | 30KVA | 40KVA | 60KVA | 80KVA | 100KVA | 120KVA | 160KVA | 200KVA | |
| Active power(kW) | 8KW | 12KW | 16KW | 24KW | 32KW | 48KW | 64KW | 80KW | 96KW | 128KW | 160KW | |
| Number of phases | 3+N | | | | | | | | | | | |
| Rated voltage(V) | 400Vac | | | | | | | | | | | |
| Regulation of the output voltage | 348 ÷ 424Vac phase/neutral(from contril panel) | | | | | | | | | | | |
| Crest factor(Ipeak/Imms) | 3:1 | | | | | | | | | | | |
| Static stability | ± 1% | | | | | | | | | | | |
| Dynamic stability | ± 5% | | | | | | | | | | | |
| Frequency | 50/60Hz configurable | | | | | | | | | | | |
| Overload | 110% 125% 150% of the rated current for 5h/10'/1' | | | | | | | | | | | |
| Frequency stability | ± 0.05% on mains failure; ± 2%(selectable from ± 1% to ± 5%)with mains supply present | | | | | | | | | | | |
| System | 10KVA | 15KVA | 20KVA | 30KVA | 40KVA | 60KVA | 80KVA | 100KVA | 120KVA | 160KVA | 200KVA | |
| Remote signaling | Volt free contacts | | | | | | | | | | | |
| Remote controls | EPO and Bypass | | | | | | | | | | | |
| Communication | RS232 + remote contacts | | | | | | | | | | | |
| Operation temperature | 0°C/ + 40°C | | | | | | | | | | | |
| Relative humidity | <95% non condensing | | | | | | | | | | | |
| Colour | Light grey (RAL 7035) | | | | | | | | | | | |
| Noise | 54dBA at 1m | | | | | | 50-65dBA at 1m | | | | | |
| Protection degree | IP20 | | | | | | | | | | | |
| Efficiency Smart Mode | up to 98% | | | | | | | | | | | |
| Compliance | Safety:EN 62040-1-1(Directive 2006/95/EC); EMC:6200-2(Directive 2004/108/EC) | | | | | | | | | | | |
| Weight(KG)N.W | 200 | 220 | 230 | 290 | 340 | 440 | 520 | 770 | 855 | 1300 | 1350 | |
| Dimensions:(WxDxH)mm | 555X720X1200 | | | | | 800X740X1400 | | | 1070X740X1400 | | 1420X740X1805 | |
| Internal batteries | Yes | Yes | Yes | Yes | No | No | No | No | No | No | No | |

STANDARD: Conform to GB/IEC regulation : EMC: GB7260.2/IEC62040-2

GB/17626.2~5/IEC61000-4-2~5

SAFETY:GB4943

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