

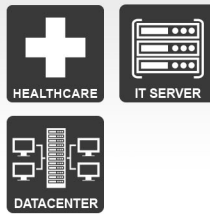
Premium VIS

10-30kVA (3/3)



ON-LINE

Applications



Price-Performance Ratio

The Premium VIS series is our best “price-performance ratio“ 3/3 phase UPS. Based on our modular UPS technology, we are able to offer extremely small UPS 10-30kVA solutions. A combination of our modular based UPS with a special DC/DC converter, the Premium VIS UPS can work with a battery voltage of only 192 to 240Vdc (adjustable). It allows to reduce space, batteries and price.

Specifications



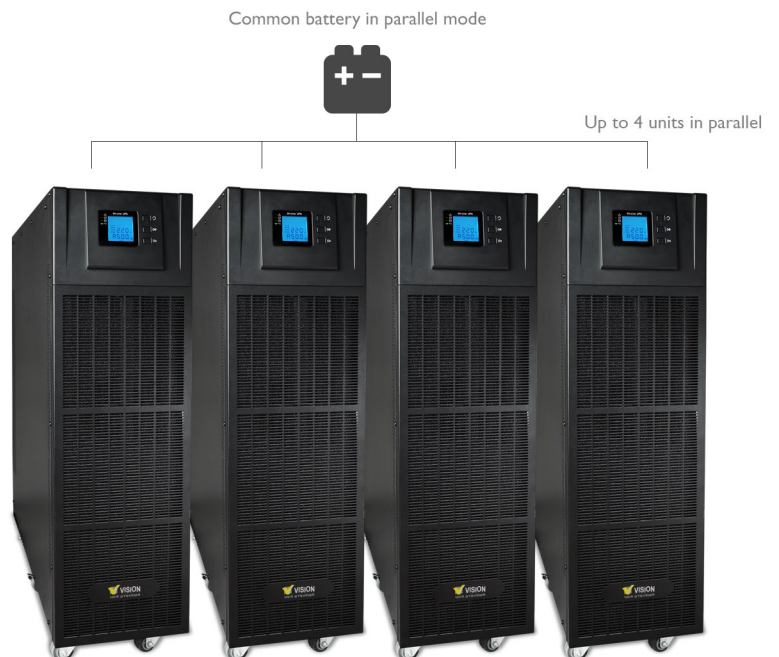
- On-line “double conversion” technology (VFI)
- Parallel redundancy On-line UPS (up to 4 units)
- Input power factor up to 0,99 (PFC technology)
- DSP (Digital Signal Processor) technology
- Common battery string for parallel units
- IGBT technology (rectifier and inverter)
- Internal static and manual bypass
- 16/18/20pcs 12V batteries per string (adjustable)
- ECO-mode for energy-saving
- Intelligent charging management
- Self-test during UPS startup
- Internal and external batteries
- Unbalanced load acceptable
- Wide input voltage range
- Battery (DC) cold start
- LCD-LED double display with audible/visible alarms
- RS485 and USB ports, dry contacts
- EPO (Emergency Power Off)
- Backfeed protection
- 2 years warranty

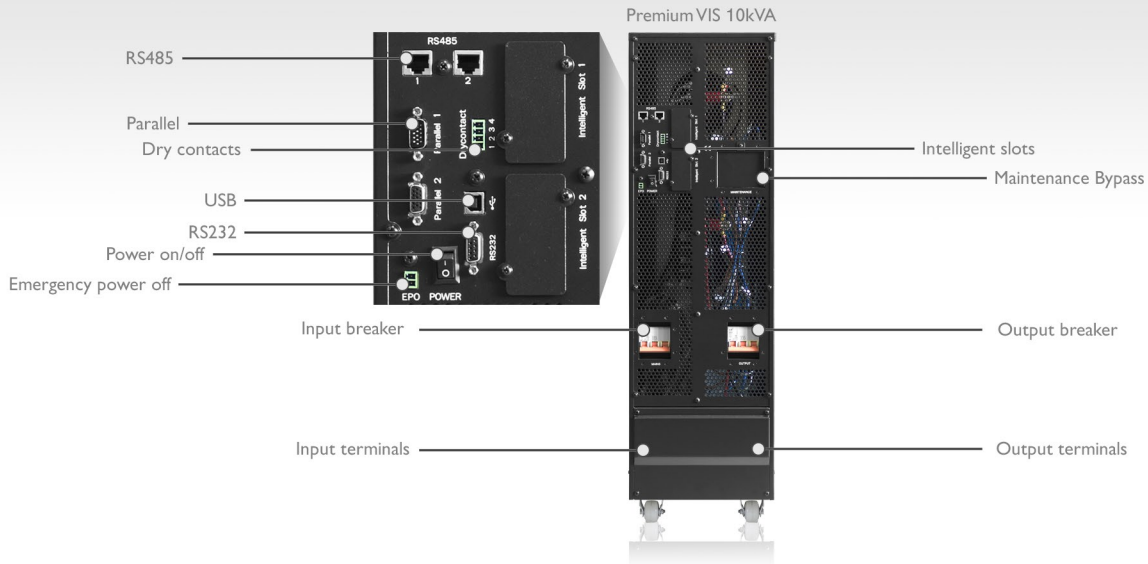
Options:

- SNMP card
- Relay card
- External maintenance bypass

Parallel Redundancy Mode

Up to 4 Premium VIS systems can be connected in parallel to get maximum power capacity. Only one battery is necessary with the parallel redundancy mode.





| Premium VIS | Model | | | |
|-------------------------------|---|--------------|--------------|--------------|
| | 10kVA | 15kVA | 20kVA | 30kVA |
| Power (kW) | 9 | 13,5 | 18 | 27 |
| — Input | | | | |
| Nominal voltage | 380/400/415Vac (3ph+N+PE) | | | |
| Maximum voltage | 208-478Vac | | | |
| Frequency range | 45-55Hz for 50Hz, 55-65Hz for 60Hz (auto-sensing) | | | |
| Input power factor | 0.99 | | | |
| Harmonic distortion (THDi) | <3% (at 100% non-linear load) | | | |
| Bypass voltage range | -45%, +15% | | | |
| Bypass frequency range | +/-10% | | | |
| — Output | | | | |
| Voltage regulation | 380/400/415V +/-1% at nominal load | | | |
| Harmonic distortion (THD) | <2% linear load, <5% non-linear load | | | |
| Frequency | 50/60Hz +/-0,1Hz | | | |
| Crest factor | 3:1 | | | |
| Efficiency at 75-100% load | 93% (AC mode) / 94% (battery mode) / 97% (ECO mode) | | | |
| Bypass | Internal static (automatic) and manual bypass / External bypass optional | | | |
| Transfer time | Mains to battery : 0msec, mains to bypass : 0msec | | | |
| — Battery | | | | |
| Voltage | Adjustable (192/216/240Vdc) | | | |
| Internal battery VRLA-AGM | 20x12V 9Ah | 2x20x12V 9Ah | 2x20x12V 9Ah | 3x20x12V 9Ah |
| Charging current (extendable) | 1,35A | 2,7A | 2,7A | 10A |
| — Protection | | | | |
| Input / output | Overvoltage, short-circuit, battery deep discharge, thermal protection | | | |
| Overload | ≤110% : 60min, ≤125% : 10min, ≤150% : 1min, >150 : switch to bypass mode | | | |
| — Alarms - information | | | | |
| Audible alarm | Line failure, battery low, bypass-overload status, fault status | | | |
| LED | Line-/backup-/ECO-/bypass-mode, battery low/bad/disconnected, overload, fault | | | |
| LCD | Voltage/frequency, load %, battery voltage/runtime | | | |
| — Standard | | | | |
| Safety | IEC/EN62040-1, IEC/EN60950-1 | | | |
| EMC | IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-8 | | | |
| Protection class | IP20 | | | |
| — Environment | | | | |
| Temperature / humidity | 0-40°C / 0-95% (non-condensing) | | | |
| Audible noise at 1m | < 55dB | | | < 58dB |
| — Interface | | | | |
| Standard | USB, dry contacts, intelligent slot, parallel port RS485, RS232, EPO | | | |
| Optional | SNMP card, relay card | | | |
| — Dimensions | | | | |
| Weight (without batteries) | 42kg | 45kg | 67kg | |
| WxDxH, mm | 250x828x868 | | | |

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