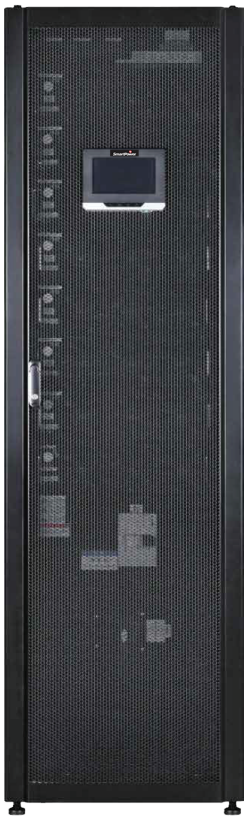
SmartPower

Your Smart choice for UPS

Gripower Pro series

25-200K

Modular 3-Phase On-line UPS



Key Features

- Output power factor 1.0
- Double conversion on-line technology
- Three-level bridge IGBT PWM control
- 99% efficiency in ECO mode,
  96% efficiency indouble conversion mode
- 25~200kVA per frame
- Parallel up to 4 frames and 800kVA
- Optimized battery management
- Adjustable battery quantity
- High flexibility and expandability

Typical Application

- Data center
- Telecom
- Financial services
- Security and surveillance system
- Automatic control system
- Building management
- Manufacturing process control
- Petro Chemical Industry

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Advanced modular design

Gripower Pro applies complete modularization with easy plug/play designs, system rack, UPS, communication, display modules and optional power distribution panels, smarts cards and etc.. allows for complete adherence to a customer's requirement. Each UPS module has a completely functional 25kVA UPS, optimized parallel control technology and smart communication protocols, allowing the UPS, communication and display module to realized online maintenance that will not affect its daily operations. New modules can also be added to the system withoutneed for calibration. Maintenance and expansion can be easily achieved.

The Gripower Pro 25kW UPM
(Uninterruptible Power Module)

Battery Module

75kVA cabinet

75kVA with internal battery cabinet

200kVA Cabinet

Leading parallel technology

Gripower Pro also supports parallel system connection that allows a maximum capacity of up to 800kVA. Parallel system connection uses the same set of batteries, allowing flexibility to effectively use an existing battery system and allow for single removal of faulty battery set.

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Specification

Model : Gripower Pro 25 - 200kVA

Gerneral	
UPS output power rating	25-200kVA, 1.0pf
Efficiency in double conversion mode	>96%
Efficiency in Energy Saver System	>99%
Topology	Double conversion on-line technology, three-level bridge IGBT PWM control
External paralleling	up to 4 units
Noise @1m, 25°C	< 70 dBA in double conversion
UPS topology	Double conversion
Degree of protection	IP20
Altitude (max)	1000m above sea level at 40°C

Input	
Input wiring	3ph + N + PE
Rated input voltage	220/380, 230/400, 240/415 V
Rated input frequency	50 or 60 Hz, user configurable
Frequency tolerance	40 to 72 Hz
Input power factor at 100% load	0.99
Input THD	<3%
Soft start capability	Yes

Output	
Output wiring	3ph + N + PE
Rated output voltage rating	220/380, 230/400, 240/415
Rated output frequency rating	50/60 Hz
Output THD	<1% (100% linear load), <5% (100% non-linear load)
Permitted load power factor	0.8 lagging to 0.8 leading
Overload on inverter	10 min 125% @35°C
Overload on bypass	Continuous < 115%, 10 ms 1000%

Battery	
Battery type	VRLA/Lithium.
Charging method	Optimized Battery Management or Continuous Float charging
Battery quantity	36 to 42 blocks. Default is 40 blocks
Battery start capability	Yes

Dimensions and Weights	
Shipping dimensions (WxDxH)	75kVA Without Battery Cabinet : 900 x 1300 × 2200 mm 75kVA With Battery Cabinet : 900 x 1300 × 2200 mm 200kVA Cabinet : 880 x 1160 x 2210 mm UPM : 590 × 790 x 270 mm Battery Module : 227 × 1114 × 277 mm
Cabinet dimensions (WxDxH)	75kVA Without Battery Cabinet : 600 x 1100 × 2020 mm 75kVA With Battery Cabinet : 600 x 1100 × 2020 mm 200kVA Cabinet : 603 x 1013 x 2050 mm UPM : 439 × 595 x 130 mm Battery Module : 107 × 900 × 156 mm
Shipping weight	75kVA Without Battery Cabinet : 372 kg 75kVA With Battery Cabinet : 446 kg 200kVA Cabinet : 425 kg UPM : 31.5 kg Battery Module : 33 kg
Installed weight	75kVA Without Battery Cabinet : 262 kg 75kVA With Battery Cabinet : 336 kg 200kVA Cabinet : 368 kg UPM : 27.5 kg Battery Module : 31 kg

Accessories	
Connectivity card	(NMC & CMC cards, relay card, EMP)

Communications	
Intelligent Slot	3 communication Slots
Serial ports	Built-in host and device USB
Standard connectivity ports	5 building alarm inputs and a dedicated EPO

Compliance with standards	
Safety	IEC 62040-1
EMC	IEC 62040-2
Performance	IEC 62040-3
RoHS	EU directive 2011/65/EU
Quality	ISO9001, ISO14001
Certification	CE

* Display panel supports English, French, Portuguese, Spanish and Russian

* Due to continuous product improvement programs, speci cations are subject to change without notice.

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