

Three Phase UPS

PRO 6 Series (200kVA to 600kVA)



Designed for mission-critical environments like data centers, server rooms, and other high-load IT infrastructures, The PRO 6 series is the next-generation modular UPS that offers a reliable, intelligent, and space-saving power protection solution. Its scalable architecture delivers secure, uninterrupted power while adapting easily to growing energy demands.

This is a true online double-conversion three-phase UPS system, engineered with advanced DSP control for precision and performance. The system supports flexible capacity expansion from 200 kVA to 600 kVA within a single cabinet, and up to 2.4 MW by paralleling four cabinets. All key modules—including power, bypass, and control units—are hot-swappable and plug-and-play, enabling effortless installation, quick servicing, and reduced downtime.

Features of PRO 6 UPS

- Modular scalable UPS system for critical IT and industrial loads
- True online double-conversion with DSP digital control
- Scalable from 50 kW to 600 kW per cabinet; up to 2.4 MW with 4 units in parallel
- High efficiency: 96.5% max; 96% at 40% load, 95% at 20% load
- Power factor 1.0; input PF > 0.99, THDi < 3%
- 50 kVA per 3U module; 500 kVA system footprint only 1.02 m²
- Hot-swappable power, control, and bypass modules
- Intelligent hibernation at low load
- Generator-friendly soft-start (1:1.1)
- Parallel expansion with shared battery option
- Flexible battery setup (30–46 pcs)
- Cold start and utility self-boot supported
- Intelligent charge/discharge and temp-compensated float charging
- Self-aging function for on-site testing
- Fault-tolerant fans: 50% load with 1 fan failure, 30% with 2
- Front-access maintenance; top/bottom cable entry
- Integrated PDU system
- Supports 50/60 Hz frequency conversion
- 7" LCD touchscreen
- Built-in SNMP, RS485, and dry contacts
- Full hardware/software protection, diagnostics, and event logging

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Power Module



Bypass Module



Control Module



- | | | | | | |
|-----------------------|-----------------|---|-----------------|----------------------------------|---|
| ① Parallel port | ② LED indicator | ③ DRY_IN | ④ DRY_OUT | ⑤ BTG port | ⑥ BCB port |
| ⑦ BCB tripping signal | ⑧ EPO port | ⑨ Switch state port of power distribution cabinet | ⑩ SPD port | ⑪ Environmental temperature port | ⑫ Battery temperature compensation port |
| ⑬ CAN port | ⑭ RS485 port 1 | ⑮ RS485 port 2 | ⑯ Ethernet port | ⑰ USB port | ⑱ LCD screen port |

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Technical Specifications of PRO 6 Series

Model Number	PRO6-200	PRO6-300	PRO6-400	PRO6-500	PRO6-600
Rated Capacity	200 kVA / 200 kW	300 kVA / 300 kW	400 kVA / 400 kW	500 kVA / 500 kW	600 kVA / 600 kW
Number of Power Modules	4	6	8	10	12
Rated Capacity of Power Module	50 kVA				
Input					
Input Wiring	3Φ + N + PE				
Rated Voltage	380 / 400 / 415 Vac				
Voltage Range	138 ~ 485 Vac (305 ~ 485 Vac without power downgrading; 138 ~ 305 Vac with linear downgrading 40%)				
Input Frequency	40 ~ 70 Hz				
Power Factor	≥ 0.99				
Current Distortion	≤ 3%				
Batteries					
Battery Voltage	± 240 Vdc (±180, ±192, ±204, ±216, ±228, ±252, ±264, ±276 selectable)				
Number of Battery	40 pcs 12 V batteries (30 / 32 / 34 / 36 / 38 / 42 / 44 / 46 pcs selectable)				
Output					
Output Wiring	3Φ + N + PE				
Rated Voltage	380 / 400 / 415 Vac ±1%				
Frequency	Synchronized with utility in mains power mode: 50 Hz / 60 Hz ± 0.25% in battery mode				
Power Factor	1				
Voltage Distortion	≤ 1% (linear load) / ≤ 3% (non-linear load)				
Crest Factor	3:1				
Inverter Overload Capacity	105% < load ≤ 110%: transfer to bypass in 60 min 110% < load ≤ 125%: transfer to bypass in 10 min 125% < load ≤ 150%: transfer to bypass in 1 min Load > 150%: transfer to bypass in 200 ms				
Bypass Overload Capacity	Load ≤ 125% for long term; > 150% load for 200 ms				
System					
Efficiency	96.5 %				
Max. number of Parallel Connections	4 units				
Transfer Time	0 ms				
Protections	Short circuit protection, overload protection, over-temperature protection, battery low voltage protection, output over/low voltage protection, fans failure protection etc.				
Communications	RS485, dry contacts, SNMP				
Display	7 inches LCD touch screen				
Environmental					
Operating Temperature	0°C ~ 40°C				
Storage Temperature	-25°C ~ +55°C				
Humidity	0% ~ 95% (non-condensing)				
Altitude	≤ 1000 m, above 1000 m, derating 1% for each additional 100 m				
Protection Level	IP 20				
Noise level at 1m	< 65 dB	< 68 dB			
Others					
Cabinet Dimensions (W x D x H) (mm)	600 x 850 x 2000		1200 x 850 x 2000		1400 x 850 x 2000
UPS Module Dimensions (W x D x H) (mm)	440 x 620 x 130				
Cabinet Weight (kg)	233	242	415	465	617
Power Module Weight (kg)	32				

* Specifications subject to change(s) without prior notification.