

# 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 m<sup>2</sup>
- 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		
<b>Input</b>					
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%			
<b>Batteries</b>					
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)			
<b>Output</b>					
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			
<b>System</b>					
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			
<b>Environmental</b>					
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		
<b>Others</b>					
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.