

Three Phase UPS

PRO 6 Series (100kVA to 200kVA)



This high-performance modular UPS series, PRO 6, is engineered to provide secure, high-quality power for critical IT and computing environments such as data centers and mission-critical facilities. Designed for maximum flexibility and scalability, the system ranges from 20kVA to 200kVA in a single cabinet, allowing you to grow with your load demands.

With advanced dual-core DSP control and a plug-and-play modular architecture, it simplifies maintenance and supports hot-swapping for minimal downtime. It adapts seamlessly to different grid conditions, providing maximum protection and continuous power for mission-critical applications.

Features of PRO 6 UPS

- High efficiency: 96% (online), 99% (ECO mode)
- True online double conversion, dual-core DSP
- Output PF 1.0; Input PF ≥ 0.99
- Input THDi $\leq 3\%$, Output THDv $\leq 1\%$
- Wide input voltage: 138–485 Vac
- Auto-adaptive 50Hz/60Hz input
- Frequency converter mode (50Hz $\leftrightarrow$ 60Hz)
- Cold start with battery
- Auto restart with mains
- Configurable start delay
- Intelligent battery management: SOC, SOH
- Configurable battery count: 30–46 pcs
- Lead-acid and lithium battery compatible
- Auto float/equalising charge control
- Battery temperature monitoring (optional sensor)
- Dual input with independent bypass
- Parallel redundancy with digital control
- Scalable 20–200kVA in one cabinet
- Hot-swappable 2U power modules
- Plug & play modular design
- Compact footprint, high power density
- Simplified expansion and maintenance
- 7" LCD touchscreen, user-friendly interface
- Built-in self-diagnostics and event logs
- Hibernation mode for light-load efficiency
- Fault-tolerant fan: 35% load if 1 fan fails
- Intelligent fan speed control
- RS232, RS485, CAN, dry contacts
- Optional SNMP, Wi-Fi, 4G for mobile monitoring
- Remote monitoring via app (Wi-Fi/4G required)
- Parallel cables and LBS cables (optional)
- Environmental Monitoring Device (EMD) available

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PRO 6 Series (100kVA to 200kVA)



PRO 6 Series 20kVA to 200kVA

Technical Specifications of PRO 6 Series

Model Number	PRO6200-100	PRO6200-150	PRO6200-200
Rated Capacity	100 kVA / 100 kW	150 kVA / 150 kW	200 kVA / 200 kW
Number of Power Module	4	6	8
Rated Capacity of Power Module	25kVA / 25kW		
Model Number	PRO6200-120	PRO6200-150	PRO6200-180
Rated Capacity	120 kVA / 120 kW	150 kVA / 150 kW	180 kVA / 180 kW
Number of Power Module	4	5	6
Rated Capacity of Power Module	30kVA / 30kW		
Input			
Input Wiring	Three-phase five-wire (3Φ + N + PE)		
Rated Voltage	380 / 400 / 415 Vac		
Voltage Range	138 ~ 305 Vac (linear derating at 40% ~ 100% load), 305 ~ 485 Vac (no derating)		
Frequency Range	40 ~ 70 Hz		
Input Power Factor	≥ 0.99		
THDi	≤ 3%		
Bypass Input Voltage Range	-60% ~ +25% (settable)		
Battery Voltage	± 240 Vdc (±180 ~ ±276 Vdc settable)		
Number of Battery	40 pcs 12 V batteries (30, 32, 34, 36, 38, 40, 42, 44, 46 pcs settable)		
Output			
Output Wiring	Three-phase five-wire (3Φ + N + PE)		
Rated Voltage	380 / 400 / 415 Vac		
Output Voltage Regulation Accuracy	±1%		
Output Frequency Accuracy	Synchronized with utility in mains power mode; 50 Hz / 60 Hz ± 0.1% in battery mode		
Output Power Factor	1		
Output Waveform Distortion (THDv)	≤ 1% (linear load); ≤ 3% (non-linear load)		
Crest Factor	3:1		
Overload Capacity	105% < load ≤ 110% for 60 min, 110% < load ≤ 125% for 10 min, 125% < load ≤ 150% for 1 min, load > 150% for 0.2 s		
System			
Max. Efficiency	96% in on-line mode, 99% in ECO mode		
Transfer Time	0 ms		
Max. number of Parallel Connections	2		
Protections	Short-circuit, overload, over-temperature, battery low voltage, undervoltage, overvoltage, fan failure protection		
Communications	Standard: RS485, CAN, NET, SNMP, dry contacts port, and EPO Optional: Wi-Fi card, parallel port, LBS port, 4G card, battery temperature sensor, EMD		
Display	7 inches LCD touch screen		
Environmental			
Operating Temperature	0°C ~ 40°C		
Storage Temperature	-25°C ~ +55°C (without battery)		
Relative Humidity	0% ~ 95% (non-condensing)		
Altitude	≤ 1000 m, above 1000 m, derating 1% for each additional 100 m		
Protection Level	IP 20		
Noise	≤ 65 dB (at 1 m)		
Others			
Cabinet Dimensions in mm (W x H x D)	600 x 850 x 1200	600 x 850 x 1800	600 x 850 x 2000
Cabinet Weight (kg)	180	250	280
Modular Dimensions in mm (W x H x D)	442 x 620 x 86		
Power Module Weight (kg)	21		
Colour	Black		

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