

SMARTPACK

SERIES

6-10 kVA

1:1

PHASE

ONLINE UPS



DATA CENTER



EMERGENCY



MEDICAL



INDUSTRY



TRANSPORT



UPS ONLINE



TOWER



POWER FACTOR



SERVICE

Power Protection for Entry Level IT Servers & Networks

- + Online Double Conversion with DSP Control
- + Input Current Harmonic: <3%
- + Output Power Factor 0.9
- + Wide Input Voltage Range: 110-300VAC
- + Wide Input Frequency Range
- + Support Generator Input
- + ECO Mode Operation for Energy Saving
- + Self-Testing when UPS Startup
- + Cold Start
- + SNMP Card/Relay Card (Optional)



- + High Output Power Factor 0.9
- + High Energy Savings
- + Smart Charger Technology



MODEL			
Capacity		6kVA / 5400W	10kVA / 9000W
INPUT			
Nominal Voltage		220 / 230 / 240 VAC	
Operating Voltage Range		110 - 300 VAC	
Frequency		50 Hz: 45-55 Hz; 60 Hz: 54-66 Hz (Auto Sensing)	
Power Factor		≥0,99	
Bypass Voltage Range		Max. Voltage: 220V: +25% (Optional +10%, +15%, +20%), 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%), Min. Voltage: -45% (Optional -20%, -30%)	
Bypass Frequency Range		Frequency Protection Range: ±10%	
ECO Range		Same as the Bypass	
Harmonic Distortion (THDi)		<3% (100% Linear Load)	
Generator		Compatible	
OUTPUT			
Voltage Range		220 / 230 / 240 VAC	
Power Factor		1	
Voltage Regulation		±1%	
Frequency	AC Mode	±1%, ±2%, ±4%, ±5%, ±10% of the Rated Frequency (Optional)	
	Battery Mode	50-60 ± 0.1 Hz	
Crest Factor		3:1	
Harmonic Distortion		≤2% (Linear Load)	
		≤5% (Non-Linear Load)	
Efficiency		>92%	>93%
BATTERY			
Battery Voltage		±96 / 108 / 120 VDC (Optional)	
Capacity (Standar Unit)		12V-7Ah / 9Ah	
Typical Recharging Time		6-8 Hours (to 90% of Full Capacity)	
Charging Current		1A	
SYSTEM FEATURES			
Transfer Time		Main to Battery: 0ms; Mains to Bypass: 0ms	
Overload	AC Mode	Load ≤110%: last 10 min, ≤130%: last 10 min, >130%: turn to Bypass Mode Immediately	
	Battery Mode	40A (Breaker)	80A (Breaker)
Short Circuit		Hold Whole System	
Overheat		Line Mode: Turn to Bypass; Bat. Mode: Shut Down UPS Immediately	
Battery Low		Alarm and Switch Off	
Self-Diagnostics		Upon Power on and Software Control	
Battery		Advanced Battery Management	
Audible & Visual Alarms		Line Failure, Battery Low, Overload, System Fault	
LED&LCD Display		Line Mode, Battery Mode, Eco Mode, Bypass Mode, Battery Low, Overload & UPS Fault	
LCD Display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage Inner Temperature & Remaining Battery Backup Time	
Communication Interface		RS232, USB, SNMP Card (Optional), Parallel Card (Optional), Relay Card (Optional)	
ENVIRONMENTAL			
Operation Temperature		0°C~40°C	
Storage Temperature		-25°C~55°C	
Humidity		0%~90% (Non-Condensing)	
Altitude		<1500 m	
Noise Level		<55 dB	
STANDARDS			
Safety		IEC/EN62040-1, IEC/EN60950-1	
EMC		IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8	
DIMENSIONS & WEIGHT			
Dimensions WxDxH (mm)		191 x 460 x 720	
Net Weight (kg)		60	61

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