

SMARTPACK

SERIES

6-10 kVA

ONLINE UPS

1:1

PHASE



HOME/OFFICE



EMERGENCY



MEDICAL



INDUSTRY



DATA CENTER



TRANSPORT



UPS ONLINE



RACK/TOWER



POWER FACTOR
0.8/0.9PF OPTIONAL



SERVICE

Power Protection for Entry Level IT Servers & Networks

- + N+X Parallel Redundancy
- + Online Double Conversion with DSP Control
- + Input Current Harmonic: <3%
- + Optimization Battery Group, the Quantity of Battery: 16/18/20 pieces (Optional)
- + High Output Power Factor at 0.9PF
- + Wide Input Voltage Range: 120-276VAC
- + Wide Input Frequency Range
- + Support Generator Input
- + ECO Mode Operation for Energy Saving
- + Self-Testing when UPS Startup
- + SNMP Card/Relay Card/Parallel Card (Optional)
- + Cold Start



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



MODEL			
Capacity		6kVA / 6000W	10kVA / 10000W
INPUT			
Nominal Voltage		220V / 230V / 240 VAC	
Operating Voltage Range		120~276 VAC	
Frequency Range		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%), 230V: +20 (Optional +10%, +15%, +20%), 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 Input		Support	
OUTPUT			
Output Voltage		220V / 230V / 240 VAC	
Power Factor		1	
Voltage Regulation		±1%	
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10%/ of the Rated Frequency (Optional)	
	Bat. Mode	50/60 (±0.1) Hz	
Crest Factor		3:1	
Harmonic Distortion (THDv)		≤2% (Linear Load)	
		≤5% (Non-Linear Load)	
Efficiency		>93%	
BATTERIES			
Battery Voltage		±96/108/120 VDC (Optional)	
Capacity (Standard Unit)		12V-7Ah/9Ah	
Typical Recharging Time		6-8 hours (to 90% of Full Capacity)	
Charging Current		1A (Standard Unit); Long Run Unit Max. Current 10A (Charging current can be Sset according to battery capacity installed)	
SYSTEM FEATURES			
Transfer Time		Mains to Battery: 0ms; Mains to Bypass: 0ms	
Overload	Line Mode	Load ≤110%: last 10min, ≤130%: last 1min, ≤130%: turn to Bypass Mode immediately	
	Bypass Mode	40A (Breaker)	80A (Breaker)
Short Circuit		Hold Whole System	
Overheat		Line Mode: Turn to Bypass; Battery Mode: Shut Down UPS immediately	
Battery Low		Alarm an Switch Off	
Self-Diagnostic		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 Under Voltage, 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			
Operating Temperature		0~40°C	
Storage Temperature		-25°C~55°C	
Humidity Range		0~40°C	
Storage Temperature		0~95°C (Non-Condensing)	
Altitude		<1500m	
Noise Level		<55dB	
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)		625 x 440 x 86,5	
Packaging Dimensions WxDxH (mm)		13	15