

COMPACT 3L

SERIES

60-200 kVA

3:3

PHASE

ONLINE UPS



DATA CENTER



EMERGENCY



MEDICAL



INDUSTRY



TRANSPORT



UPS ONLINE



TOWER



POWER FACTOR



SERVICE



Compact 3 Phase Power Protection for Small to Medium Datacenters

- + Three Level Inverter Technology
- + High Frequency and True Double-Conversion
- + High Efficiency %96
- + Parallelable Up to 6 units
- + Output Power Factor 1
- + LBS Function
- + Wide Input Voltage Range (138~485V)
- + Cold Start
- + Auto Sensing Frequency
- + ECO Mode Operation for Energy Saving
- + Selectable Output Voltage via LCD
- + 50Hz/60Hz Frequency Converter Mode
- + Selectable Battery Low Voltage via LCD
- + Power-On Self Test
- + Advanced Battery Management
- + Short Circuit and Overload Protection
- + Automatically Charging Battery at UPS Off Mode
- + Generator Compatible
- + RS232, Dry Contact, SNMP
- + Emergency Power Off (EPO)



- + Three Level Inverter - %96 Efficiency.
- + Flexible Battery Quantity form 30 to 50pcs.
- + Strong Performance at Unbalanced Loads
- + Output Power Factor 1
- + LBS Function



MODEL							
Capacity		60kVA	80kVA	100kVA	120kVA	160kVA	200kVA
Power Watt		60kW	80kW	100kW	120kW	160kW	200kW
INPUT							
Nominal Voltage		380/400/415 VAC, (3Ph+N+PE)					
Operating Voltage Range		138 ~ 485VAC for 40% Load; 305 ~ 485VAC for Full-Load;					
Operating Frequency Range		40 ~ 70Hz					
Power Factor		≥0.99					
Bypass Voltage Range		220 VAC Max. Voltage: +25% (Optional +10%, +15%, +20%) 230 VAC Max. Voltage: +20% (Optional +10%, +15%,) 240 VAC Max. Voltage: +15% (Optional +10%) Min. Voltage: -45% (Optional -20%, -30%,)					
Bypass Frequency Range		Frequency Synchronize Tracing Range: ±10%					
Generator Input		Support					
OUTPUT							
Output Voltage		380/400/415 VAC, (3Ph+N+PE)					
Power Factor		0.9 & 1					
Voltage Regulation		±1%					
Frequency	Line Mode Battery Mode	±10% (±1%/±2%±4%/±5% Optional), Output 50/60 (±0.1)Hz 50/60 (±0.1) Hz					
Crest Factor		3:1					
Harmonic Distortion (THDi)		≤1% (Linear Load) ≤4% (Non-Linear Load)					
Efficiency		96%					
BATTERY							
Battery Voltage		Optional Voltage: ±180V/±192V/±204/±216V/±228V/±240V/±252V/±264/±276/±288V/±300VDC (30/32/34/36/38/40/42/44/46/48/50 pcs Optional); 360VDC-600VDC (30-50 pcs, 36 pcs default, 36 to 50 pcs Output Power Factor 1.0; 32-34 pcs Output Power Factor 0.9; 30 pcs Output Power Factor 0.8)					
Charge Current (A) (Charge Current can be set according to Battery Capacity installed)		Max. Current 10A		Max. Current 40A		Max. Current 60A	Max. Current 80A
SYSTEM FEATURES							
Transfer Time		Utility to Battery: 0ms; Utility to Bypass: 0ms					
Overload	INV Mode Bypass Mode	110%: Overload for 60min, 125%: Overload for 10min, 150%: Overload for 1min 135%: Overload for Long Time, >1000% Overload for 100ms					
Backfeed Protection		Short Circuit, Overload, Overtemperature, Battery Low, Fan Fault					
Remote LCD		Support					
Communication		USB, RS232, RS485, Parallel Port, Coupler Dry Contact, Intelligent Slot, LBS, SNMP Card (Optional), Relay Card (Optional)					
ENVIRONMENTAL							
Operating Temperature		0~40°C					
Storage Temperature		-25~55°C (No Battery)					
Humidity Range		0~95°C (Non Condensing)					
Altitude		<1500m When >1500m					
Noise Level		<55dB	<60dB	<62dB	<62dB	<63dB	<66dB
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					
PHYSICAL							
Dimension DxWxH (mm)		850x442x1200					
Operating Voltage Range		80	144	147	152	200	280

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