

COMPACT

SERIES

10-80 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 IT Rooms

- + Three Level Inverter Technology
- + High Frequency and True Double-Conversion
- + High Efficiency %96
- + Parallelable Up to 6 units
- + Output Power Factor 0.9
- + 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 0.9
- + LBS Function



MODEL								
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	
Power Watt	9kW	13,5kW	18kW	27kW	36kW	54kW	72kW	
INPUT								
Nominal Voltage	380/400/415 VAC, (3Ph+N+PE)							
Operating Voltage Range	208 ~ 478 VAC							
Operating Frequency Range	45 ~ 55Hz at 50Hz / 54 ~ 66Hz at 60Hz (Auto Sensing)					40 ~ 70Hz		
Power Factor	≥0.99							
Bypass Voltage Range	380 VAC Max. Voltage: +25% (Optional +10%, +15%, +20%) 400 VAC Max. Voltage: +20% (Optional +10%, +15%,) 415 VAC Max. Voltage: +15% (Optional +10%) Min. Voltage: -45% (Optional -20%, -30%,)							
Bypass Frequency Range	Frequency Synchronize Tracing Range: ±10%							
ECO Range	Same as Bypass							
Harmonic Distortion (THDi)	≤3% (100% Non-Linear Load)							
OUTPUT								
Output Voltage	380/400/415 VAC, (3Ph+N+PE) (Optional 208V/220V/230V/240VAC)							
Power Factor	0.9							
Voltage Regulation	±1%							
Frequency	±1%/±2%±4%/±5%/±10% of the Rated Frequency (Optional)							
Line Mode Battery Mode	50/60 (±0.1) Hz							
Crest Factor	3:1							
Harmonic Distortion (THDi)	≤2% (Linear Load) ≤5% (Non-Linear Load)							
Efficiency	93.5%						94.5%	
BATTERY								
Battery Voltage	Standart Unit: ±120VDC (20pcs 12V9Ah); Long Run Unit: ±96V/±108V/ ±120VDC (16/18/ 20pcs Optional)	Standart Unit: ±120VDC (2x20pcs 12V9Ah); Long Run Unit Optional Voltage: ±96V/±108V/±120VDC (16/18/20pcs Optional)	Standart Unit: ±120VDC (3x20pcs 12V9Ah); Long Run Unit Optional Voltage: ±96V/±108V/ ±120VDC (16/18/ 20pcs Optional)	Optional Voltage: ±192V/±204V/±216/±228/±240VDC (32/34/36/38/40pcs Optional)				
Charge Current (A) (Charge Current can be set accordingly to Battery Capacity installed)	Standart Unit: 1.35A Long Run Unit: Max. Current 10A	Standart Unit: 2.7A Long Run Unit: Max. Current 10A	Standart Unit: 4.05A Long Run Unit: Max. Current 15A	Max. Current 15A	Max. Current 30A	Max. Current 30A		
SYSTEM FEATURES								
Transfer Time	Utility to Battery: 0ms; Utility to Bypass: 0ms							
Overload	Load ≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% Change to Bypass							
Short Circuit	Hold Whole System							
Communication	USB, RS232, RS485, Parallel Port, REPO Port, Coupler Dry Contact, Intelligent Slot,, SNMP Card (Optional), Relay Card (Optional). LBS Port (Only 60~80k)							
ENVIRONMENTAL								
Operating Temperature	0~40°C							
Storage Temperature	-25~55°C (No Battery)							
Humidity Range	0~95°C (Non Condensing)							
Altitude	<1500m When >1500m, Lower the Rated Power for use							
Noise Level	<55dB						<58dB	
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)	828x250x868							
Net Weight	115/57	170/63	171/64	223/71	73	118	122	

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