COMPACT











SERIES

10-80 kVA



ONLINE UPS









Compact 3 Phase Power Protection

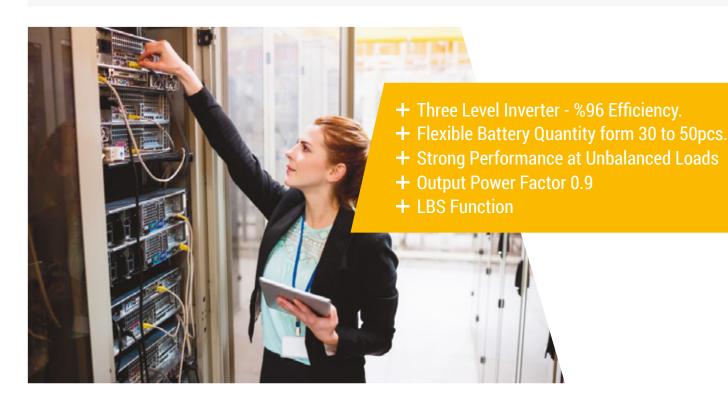
- + Three Level Inverter Technology
- + High Frequency and True Double-Conversion

for Small to Medium IT Rooms

- + 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)













MODEL								
Capacity		10 kVA	15kVA	20 kVA	30 kVA	40 kVA	60kVA	80 kVA
Power Watt		9kW	13,5kW	18kW	27kW	36kW	54kW	72 kW
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	e Mode tery Mode	\pm 1%/ \pm 2% \pm 4%/ \pm 5%/ \pm 10% of the Rated Frequency (Optional) 50/60 (\pm 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 Standart Unit: ±120VDC (3x20pcs Optional Voltage: 12V9Ah); Long Run Unit: Long Run Unit: Optional Voltage: Long Run Unit Optional ±100VDC (16/18/20pcs Optional) ±12V9Ah); Optional Voltage: ±96V/±108V/ ±96V/±108V/±120VDC Voltage: ±96V/±108V/ ±192V/±204V/±216/±228/±240VDC ±120VDC (16/18/20pcs Optional) ±120VDC (16/18/20pcs Optional) (32/34/36/38/40pcs Optional)						
Charge Current (A) (Charge Current can be according to Battery Ca 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: Oms; Utility to Bypass: Oms						
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	9				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 IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8						
EMC		IE	C/EN62040-2, IEC61	000-4-2, IEC61000	-4-3, IEC61000-4-4,	IEC61000-4-5, IEC6	51000-4-6, IEC6100)0-4-8
PHYSICAL	`				000 055 555			
Dimension DxWxH (mm	٦)		4=0.00	4=	828x250x868			100
Net Weight		115/57	170/63	171/64	223/71	73	118	122

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