

ELNOVA

ON-LINE UPS



Features

- Maximum reliability - result of robust design and On-line double conversion topology
- Ideal for the most demanding electrical environments
- Higher kVA models with 0.9 output power factor
- Easy portability because of Cold Start on battery power
- Automatic bypass
- Longer runtime on external battery models
- LCD user interface on front panel for regular status indication
- RS-232, USB and Intelligent slot communication ports
- Power management suite bundled

Technical Specifications - CL series UPS

Model Numbers: Watts/VA	800W/1000VA	1600W/2000VA	2400W/3000VA	5400W/6000VA	9kW/10kVA	9kW/10kVA	13.5kW/15kVA	18kW/20kVA
Standard Model (Internal Battery)	CL1000B3	CL2000B8	CL3000B8	CL6000B20	CL10000B20			
External Battery Model	CL1000L	CL2000L	CL3000L	CL6000L	CL10000L	CL10K31*	CL15K31	CL20K31
Input/Output								
Nominal Input Voltage	208/220/230/240VAC			208VAC/220VAC/230VAC/240VAC				
Input Voltage Window	110~300VAC			110VAC~276VAC				
OVCD	Inbuilt			-				
Input Power Factor	0.99			0.99				
Frequency Range	45-55Hz / 54-66Hz			45-55Hz / 54-66Hz				
Phase	Single Phase with Ground			Single phase with Ground		Three phase with Ground (Combo)		
THDI	< 5% with full load			< 5% with R full load				
Power Factor	0.8			0.9				
Voltage	220/230/240VAC			208VAC/220VAC/230VAC/240VAC				
Voltage Regulation	<2%			< 1%				
Frequency (Synchronized Range)	45-55Hz/54-66Hz			45-55Hz/54-66Hz				
Frequency (BAT Mode)	50/60Hz±0.05Hz			50/60Hz±0.05Hz				
Current Crest Ratio	3:1			3:1				
Harmonic Distortion	<3% THD (Linear Load)			2% @Linear Load				
	<5% THD (Non-Linear Load)			5% @Non-Linear Load				
Output Waveform	Pure Sine Wave			Pure Sine Wave				
Overload Capacity	1min @105%~110% load 30s @110%~125% load			2min @105%~125% 30s @125%~150%		5min @100%~110% 1min @110%~130%		
Input Connection	C14 10A	C20 16A	C20 16A	Hardwired				
Output Connection	(4) IEC C13 10A	(6) IEC C13 10A	(6) IEC C13 10A	Hardwired				
Parallel	Yes, Upto 2 Units							
Battery								
Number of Batteries	3	8	8	20	20			
Battery Quantity/Type (Standard)	3x12V(7Ah)	8x12V(7Ah)	8x12V(7Ah)	20x12V(7Ah)	20x12V(9Ah)			
Battery Quantity L	3x12V	8x12V	8x12V	20x12V	20x12V	24x12V	24x12V	24x12V
Backup Time	>5 minutes	>5 minutes	>5 minutes	>5 minutes	>5 minutes			
Recharge time to 90% Capacity	5 hours							
Charging Current	8A			4A				
User Interface								
Visual	LCD Display with measurements(Input/Output/Bypass V & Hz,battery Voltage & % capacity, remaining time and level indicator,Load% and level indicator,alarm codes)							
Control	4 buttons for 1-3kVA (on/off,select,enter,mute)			4 buttons for 6-20kVA (esc,up,down,enter)				
Communications/Management								
Power Management Software	Winpower Power Management Software, included in CD							
Connection Type	USB			Standard RS232+USB				
SNMP Interface/AS 400 Card	Intelligent slot for optional SNMP Card/AS400/Modbus Card							
Environment								
Operating Temperature	0-45° C			0-40° C				
Humidity	20 ~ 90% (No condensing)			0 ~ 95% (No condensing)				
Noise Level	<50dB @ Front 1 meter			<50dB @ Front 1 meter		<55dB @ Front 1 meter		
Standards	ROHS							
Safety	IEC 62040-1							
Dimensions & Weights								
Dimensions - Standard/L Models (WxHxD)	145 x 220 x 400	192 x 347 x 460		260 x 708 x 550		350 x 650 x 890		
Weight - Standard Models (Kgs)	13	31	31	80	84			
Weight - External Battery Models (Kgs)	7	13	13	25.5	29.5	48.1	58.1	58.1

Specifications and design are subject to change without notice to improve product reliability and functionality or otherwise. Runtimes are approximate and may change with equipment, configuration, battery, age, temperature etc.

*Three Phase In single phase Out Models

ELNOVA

Elnova Pvt. Ltd.

Marketing Division

C-58, Okhla Industrial Area, Phase-I, New Delhi 110 020

© (011) 26810172, 26810569, 26815099 E-mail: sale@elnova.com Web: www.elnova.com



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