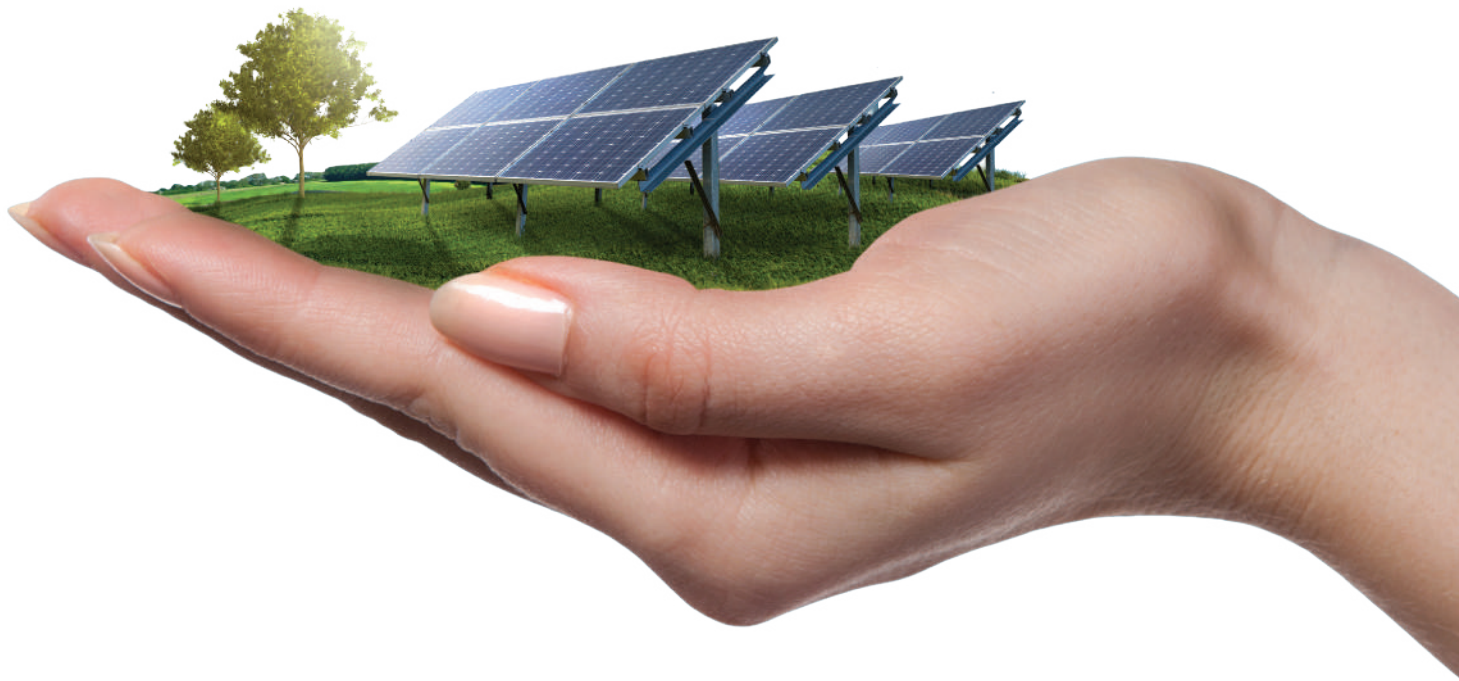




POWERING **PROGRESS,**
ENERGIZING **LIVES**



UPS



ups solutions

M Series

L Series

Data Center

Elevator Solutions

Grid and Utility



UPS

Our Online UPS systems provide clean, stable, and uninterrupted power for critical applications, ensuring maximum equipment protection and continuous operation during power disturbances.



Key Features

-  Instant Backup with Zero Transfer Time
-  High Efficiency & Reliable Performance
-  Intelligent Battery Management
-  LCD Display & Remote Monitoring

Applications

-  Data Center
-  Industrial Automation
-  IT Infrastructure
-  Telecom Systems
-  Hospitals
-  Banking & Security Systems.

Technical Specifications

M Series

Model	CLN-40M	CLN-50M	CLN-80M	CLN-100M	CLN-120M	CLN-150M
Rated Capacity	40kVA	50kVA	80kVA	100kVA	125kVA	150kVA
Power Module Capacity	20kVA	25kVA	20kVA	25kVA	20kVA	25kVA
Power Module Quantity	2	2	4	4	6	6
Input						
Wiring Method	3Phase+N+PE					
Rated Voltage	380/400/415VAC(line-line)					
Rated Frequency	50/60Hz					
Voltage Range	305VAC~477VAC(line-line) full load; 304VAC~228VAC(line-line) load derating linearly from 100% to 80%					
Frequency Range	40Hz~70Hz					
Power Factor	>0.99					
THDi	<3% (linear full load); <5% (non-linear full load)					
Bypass						
Rated Voltage	380/400/415VAC (line voltage)					
Voltage Range	Factory setting -20%~+15%; settable upper limit:+10%,+15%,+20%,+25%; lower limit:-10%,-15%,-20%,-30%,-40%					
Frequency Range	Rated frequency 50/60Hz; frequency range settable ±0.5Hz, ±1Hz, ±2Hz, ±3Hz, ±10%Hz;					
Overload Capacity	110% for long run; >150% for 200ms					
Battery						
Battery Voltage	±192VDC (360~528VDC; 30~44 units settable, defaulted by 32 units)					
Output						
Rated Voltage	380V/400V/415V(line-line)					
Rated Frequency	50/60Hz					
Power Factor	1					
Voltage Accuracy	≤±1.0%@ balanced load; ≤±5.0%@ unbalanced load					
Frequency Accuracy	50/60Hz±0.01%					
Frequency Tracking Range	Settable ±0.5Hz~±5Hz; ±3Hz					
THDu	≤2%(100% linear load), ≤4%(nonlinear load)					
Three-Phase Phase Accuracy	120°±1°					
Crest Factor	3:1					
Overload	<105% long run; <110% 60mins; 110~125% 10mins; >125~150% 1min; >150% 200ms					
System						
System Efficiency	96%@ double conversion mode, ≥99%@ ECO mode					
Display	5" LCD touch screen					
Wiring	Bottom in			Back in		
Language	Chinese, English; optional: Russian, Italian, Spanish, German, etc.					
Protection Class	IP20					
Communication	RS232/RS485/SNMP card(optional)/dry contact(optional)					
Working Condition	Temperature: 0~40°C; humidity: 0~95%(no condensation)					
Noise	<60dB@1 meter					
Altitude	<1000 meters, derating; >1000 meters derating 1% if every 100 meters increased					
Cabinet Type	2Modules	2Modules	4Modules	4Modules	6Modules	6Modules
System WxDxH (mm)	482.6×800× 353.2(8U)	482.6×800×3 53.2(8U)	482.6×800×5 31(12U)	482.6×800× 531(12U)	482.6×900× 796(18U)	482.6×900×7 96(18U)
Module WxDxH (mm)	440×690×86(2U)					
System Weight (kg)	56		64		80	
Module(kg)	24(20kVA)、25(25kVA)					

L Series

Model	CLN-400L	CLN-500L	CLN-800L	CLN-1000L	CLN-1200L	CLN-1500L	CLN-2000L
Rate Power	400KVA	500KVA	800KVA	1000KVA	1200KVA	1500KVA	2000KVA
Main Input							
Input	3P5W (3P+N+PE)						
Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)						
Rate Frequency	50/60Hz						
Input PF	>0.99						
Current Distortion	THDi<3%(100% Linear load)						
Voltage Range	323~478VAC(L-L) full load; 323~228VAC(L-L) power derate from 100% to 70%						
Freq. Range	40-70Hz						
Battery							
Rate Voltage	±240VDC						
Charging Capacity	20%*Pout						
Charging Accuracy	±1%						
Bypass							
Rate Voltage	380/400/415VAC(L-L);220/230/240VAC(L-N)						
Voltage Range	Range: -40%~+25%, Settable, default -20%~+15%						
Overload	110% long time; 110%<load<125% 5 mins; 125%<load<150% 1 min; >150% 1 second						
Inverter							
Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)						
Rate Frequency	50/60Hz						
Output PF	1						
Voltage Accuracy	±1.0%						
Load Response	<5% (20%-80%-20% step load)						
Recovery Time	<20ms (0%-100%-0% step load)						
Output THDu	<1% (linear load), <5% (non-linear load according to IEC62040-3)						
Overload	110% 1 hour; 125% 10 mins; 150% 1 min; >150% 200ms						
Frequency Accuracy	0.001						
Synchronize Window	Settable ±0.5Hz~±5Hz, default ±3Hz						
Slew Rate	Settable 0.5Hz/S~3Hz/S, default 0.5Hz/S						
Crest Factor	3:1						
Phase Accuracy	120°±0.5°						
System							
Efficiency	Normal Mode≥96%; Battery Mode≥96%						
Display	LED + 10 inch touch LCD						
Certification-Safety	IEC62040-1, IEC60950-1						
Certification-EMS	IEC62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5						
IP Degree	IP20						
Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter						
Option	SNMP card, AS400 card, Parallel kit, SPD, LBS						
Environment	0-40°C(operation); -25°C~70°C(storage); 0-95% humidity						
Noise(dB) @1 meter	72dB @100% load, 69dB @45% load						
Dimension							
Cabinet (W×D×H) mm	600×1000 ×2000	600×1000 ×2000	2000×1000 ×2000	2000×1000 ×2000	2800×1000 ×2000	2800×1000 ×2000	3200×1000 ×2000
Module (W×D×H) mm	442×659×174						
Weight							
Cabinet Weight (kg)	808	808	1100	1100	1600	1600	2100
Module Weight (kg)	41						
Power Module Rated Capacity	50KW	62.5KW	50KW	62.5KW	50KW	62.5KW	

Data Center

Our advanced Data Center Energy Storage Solutions are designed to deliver reliable, efficient, and sustainable backup power for critical infrastructure. Compared to traditional lead-acid systems, our lithium-based ESS offers higher safety, intelligent energy management, superior system integration, and optimized charge-discharge performance—ensuring maximum uptime, reduced operating costs, and support for low-carbon data center operations.

Product Features



Safe and reliable : Three levels of BMS management, layers of security



Efficient and flexible : Flexible wire system, flexible configuration, multiple groups parallel



Comprehensive model : Short and long-time backup products



Very simple O&M : Preloaded installation design, rapid deployment, very simple O&M

UPS + Battery

Technical Specifications

Battery Specification	Parameter	
Battery Configuration	480V 100Ah	480V 314Ah
Battery Capacity (kWh)	48kWh	150.72kWh
Battery Type	LFP	LFP
Chemistry	LiFePO4	LiFePO4
Cell Package Type	Prismatic	Prismatic
Capacity (Ah)	100	314
DoD	>90%	>90%
Nominal Voltage (V)	480	480
Voltage Range (V)	420-540	420-540
Rated Charging Current (Standard)	0.3C	0.3C
Peak Charging Current	0.5C	0.5C
Rated Discharge Current	1C	1C
Communication Interface/Protocol	RS485/CAN	RS485/CAN
Charging Operating Ambient Tem(°C)	0 to 55	0 to 55
Discharging Operating Ambient Tem (°C)	0 to 60	0 to 60
Storage Temperature For 6 Months (°C)	0 to 35 (50% SOC)	0 to 35 (50% SOC)
Cooling	Natural / Forced / HVAC	Natural / Forced / HVAC
Lifecycle @ Ambient 25°C	3000	6000
IP Protection	IP20/IP54	IP20/IP54
Electrical Protection	Contactor / Breaker / MBMS	
Protection	Over voltage, under-voltage	
	Over-temperature (charge and discharge)	
	Under-temperature (charge and discharge)	
	Over current (charge and discharge)	
	External short circuit detection	

Reliable Power Backup for Safe Elevator Operation:

Product Features



Instant Backup Power: Provides automatic backup during power failures, ensuring uninterrupted lift operation.



Emergency Rescue Operation : Safely moves the elevator to the nearest floor and enables door opening during mains failure.



Fast Transfer Time : Ensures seamless switching between utility power and backup power for uninterrupted operation.



Smart Battery Management System (BMS) : Real-time battery monitoring, cell balancing, and automatic protection for enhanced battery life.



Multiple Communication Options : Optional communication interfaces such as RS485 / Modbus for remote monitoring and integration.

UPS + Battery

Technical Specifications

Battery Specification	Parameter	
Battery Configuration	480V 100Ah	480V 314Ah
Battery Capacity (kWh)	48kWh	150.72kWh
Battery Type	LFP	LFP
Chemistry	LiFePO4	LiFePO4
Cell Package Type	Prismatic	Prismatic
Capacity (Ah)	100	314
DoD	>90%	>90%
Nominal Voltage (V)	480	480
Voltage Range (V)	420-540	420-540
Rated Charging Current (Standard)	0.3C	0.3C
Peak Charging Current	0.5C	0.5C
Rated Discharge Current	1C	1C
Communication Interface/Protocol	RS485/CAN	RS485/CAN
Charging Operating Ambient Tem(°C)	0 to 55	0 to 55
Discharging Operating Ambient Tem (°C)	0 to 60	0 to 60
Storage Temperature For 6 Months (°C)	0 to 35 (50% SOC)	0 to 35 (50% SOC)
Cooling	Natural / Forced / HVAC	Natural / Forced / HVAC
Lifecycle @ Ambient 25°C	3000	6000
IP Protection	IP20/IP54	IP20/IP54
Electrical Protection	Contactor / Breaker / MBMS	
Protection	Over voltage, under-voltage	
	Over-temperature (charge and discharge)	
	Under-temperature (charge and discharge)	
	Over current (charge and discharge)	
	External short circuit detection	

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