

3P Power

Passion Profession Perfection



PRODUCT CATALOGUE

Excellence CECU Series AC UPS – 3IN 3OUT

Excellence CECU Series Semi Industrial AC UPS

FEATURES

• ADAPTABILITY

Designed to accept a wide range of input voltages and frequency range, this AC UPS is capable to cope with the worst utility conditions. It can eliminate harmful distortion from utility power and withstand all kinds of severe impacts from various loads. It is fully capable to support heavy duty equipment, production equipment and DCS (Distributed Control System) system.

• NEW EDGE DESIGN TOPOLOGY

The true online double conversion with a Digital Signal Processor (DSP) control which provides an improved solution with high performance Double isolation between input and output with bypass applied to allow total isolation between power line noises, spikes & transients

• DUAL-MAINS INPUT

Excellence UPS series allow user to connect TWO separate power inputs to increase operational reliability

• FAN SPEED CONTROL

Designed Intelligent 4-levels fan speed control, varying according to load and temperature

• DURABILITY

All PCBAs are fully coated for anti-moisture, anti-electric leakage, anti-dust and anti-corrosion. This robust design is suitable to cope with harsh environments such as high temperature, high humidity, dense dust, salt or fierce vibration



• FLEXIBLE BATTERY CONFIGURATION

The number of batteries can be adjusted flexibly in accordance to the different power demands

• ECO FUNCTIONALITY

Featuring our energy efficiency design under good power condition, UPS can work in ECO mode for up to 98% efficiency, green and energy saving

• MAXIMUM SAFETY FEATURES

Safety features have always been the top priority for our equipment. Our UPS is designed with back-feed protection device which prevents any voltage back-feed in the upstream distribution board, ensuring the safety of maintenance personnel

• COLORFUL MULTIFUNCTIONAL HMI

The colorful HMI (Human Machine Interface) panel provides an easy and humanized operation of the UPS. It allows user to access the important functions and parameter setting such as system status and alarms, control commands, battery measurements (power, current, voltage, frequency & temperature) and system settings. The compact series' diagnostics system includes event logs up to 100 lines, recording UPS running time and critical memories

SUITABLE FOR MARINE, INDUSTRIAL & COMMERCIAL APPLICATIONS



* Industrial application such a Process and Control system, Industrial Machinery, Instrument and Measurement, Process monitoring, Control and Security



* Infrastructures application such as Hospital, Airport, Data Centre, Telecommunication, Semiconductor, Water treatment, Transportation



* Energy industry application such as Oil & Gas, Petrochemicals, Power Plant, Power Transmission



* Security and Monitoring application

Excellence CECU Series Semi Industrial AC UPS

MODEL	CECU3310	CECU3320	CECU3330	CECU3340	CECU3360	CECU3380
CAPACITY in kVA/kW	10kVA/10kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW	80kVA/80kW
SYSTEM INPUT						
Phase	3 / 3 Phase (3W+N)					
Nominal Voltage	380/400/415Vac					
Voltage Range	-30% ~ +20%					
Input PF	≥ 0.99 @ 100% Load					
Input frequency	40Hz – 70Hz					
BYPASS						
Nominal Voltage	380/400/415Vac					
Voltage Range	-10% ~ +10%					
Frequency	46 ~ 54Hz or 56 ~ 64Hz @ Line mode, 50 / 60Hz ± 0.1Hz @ Battery mode					
Overload Capacity	> 130% 1 minute (default)					
BATTERY						
Number of VRLA 12Vdc Blocks	10+10	Selectable 32 (16+16) ~ 40 (20+20)				
Charging Current Settings	1A ~ 12A (Adjustable)			2A ~ 24A (Adjustable)		
Charging Voltage per cell	2.23 ~ 2.27	2.23 ~ 2.27				
SYSTEM OUTPUT						
Output PF	1.00					
Output Voltage & Phase	380/400/415 Vac & 3 Phase (3W+N)					
Frequency	46 ~ 54Hz or 56 ~ 64Hz @ Line mode, 50 / 60Hz ± 0.1Hz @ Battery mode					
Crest Factor	3:01					
Waveform Distortion	Less than 1% @ Linear load, Less than 3% @ Non-linear load					
Over Load	100 ~ 110%: 60 min; 111 ~ 125%: 10 min; 126% ~ 150%: 1 min; >150%: Immediately					
Efficiency	95% @ AC Mode 98% @ Eco Mode 94% @ Battery Mode					
Transfer Time	0ms @ AC and Battery ≤ 4ms @ Bypass and Inverter					
INDICATOR						
LCD Panel	UPS status, Load level, Load Watt, Load VA, Battery level, Input / Output voltage, Output current, Bus voltage, Temp, Warning, Fault code and Events					
AUDIBLE ALARM						
Battery Mode	Beeping Once Every Four Seconds(can be muted)					
Bypass Mode	Beeping Once Every Two Minutes (can be muted)					
Faults Mode	Beeping Continuously (can be muted)					
Overload & Other Faults	Beeping Twice & Once Every Second (cannot be muted)					
MANAGEMENT						
Standard	Smart RS-232, USB Supports Windows® Family, Linux and MAC					
Optional	Dry Contact, MODBUS, SNMP Power Management and Web Browser					
ENVIROMENT						
Operation Temperature	0-40°C					
Operation Humidity	< 95% and non-condensing					
Noise Level @ 1 Meter Away	< 55dB	< 65dB			< 75dB	
PHYSICAL						
Net Weight (KG)	170	207	250	267	370	382
Unit Dimension (D * W * H) in mm	600 x 600 x 1600		800 x 600 x 1800		800 x 800 x 1800	

Excellence CECU Series Semi Industrial AC UPS

MODEL	CECU33100	CECU33120	CECU33180	CECU33200
CAPACITY in kVA/kW	100kVA/100kW	120kVA/100kW	180kVA/180kW	200kVA/200kW
SYSTEM INPUT				
Phase	3 / 3 Phase (3W+N)			
Nominal Voltage	380/400/415 Vac			
Voltage Range	-30% ~ +20%			
Input PF	≥ 0.99 @ 100% Load			
Input frequency	40Hz – 70Hz			
BYPASS				
Nominal Voltage	380/400/415 Vac			
Voltage Range	-10% ~ +10%			
Frequency	46 ~ 54Hz or 56 ~ 64Hz @ Line mode, 50 / 60Hz ± 0.1Hz @ Battery mode			
Overload Capacity	> 130% 1 minute (default)			
BATTERY				
Number of VRLA 12Vdc Blocks	Selectable 32 (16+16) ~ 40 (20+20)			
Charging Current Settings	2A ~ 36A (Adjustable)		3A ~ 54A (Adjustable)	
Charging Voltage per cell	2.23 ~ 2.27			
SYSTEM OUTPUT				
Output PF	1.00			
Output Voltage & Phase	380/400/415 Vac & 3 Phase (3W+N)			
Frequency	46 ~ 54Hz or 56 ~ 64Hz @ Line mode,, 50 / 60Hz ± 0.1Hz @ Battery mode			
Crest Factor	3:01			
Waveform Distortion	Less than 1% @ Linear load, Less than 3% @ Non-linear load			
Over Load	100 ~ 110%: 60 min; 111 ~ 125%: 10 min; 126% ~ 150%: 1 min; >150%: 400ms			
Efficiency	95% @ AC Mode			
	98% @ Eco Mode			
	94% @ Battery Mode			
Transfer Time	0ms @ AC and Battery			
	≤ 4ms @ Bypass and Inverter			
INDICATOR				
LCD Panel	UPS status, Load level, Load Watt, Load VA, Battery level, Input / Output voltage, Output current, Bus voltage, Temp, Warning, Fault code and Events			
AUDIBLE ALARM				
Battery Mode	Beeping Once Every Four Seconds(can be muted)			
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MANAGEMENT				
Standard	Smart RS-232, USB Supports Windows® Family, Linux and MAC			
Optional	Dry Contact, MODBUS, SNMP Power Management and Web Browser			
ENVIROMENT				
Operation Temperature	0-40°C			
Operation Humidity	< 95% and non-condensing			
Noise Level @ 1 Meter Away	< 75dB			
PHYSICAL				
Net Weight (KG)	825	850	1050	1075
Unit Dimension (D * W * H) in mm	1400 x 800 x 1800			

3P Power One Stop Solution



3PPower

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