

3P Power

Passion Profession Perfection



PRODUCT CATALOGUE

Excellence CECU Series AC UPS – 1IN 1OUT & 3IN 1OUT

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 as Process and Control system, Industrial Machinery, Instrument and Measurement, Process monitoring, Control and Security



* Infrastructures application such as Hospital, Airport, Semiconductor, Water Treatment, Building and Traffic Monitoring



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



* Military application such as Security and Monitoring

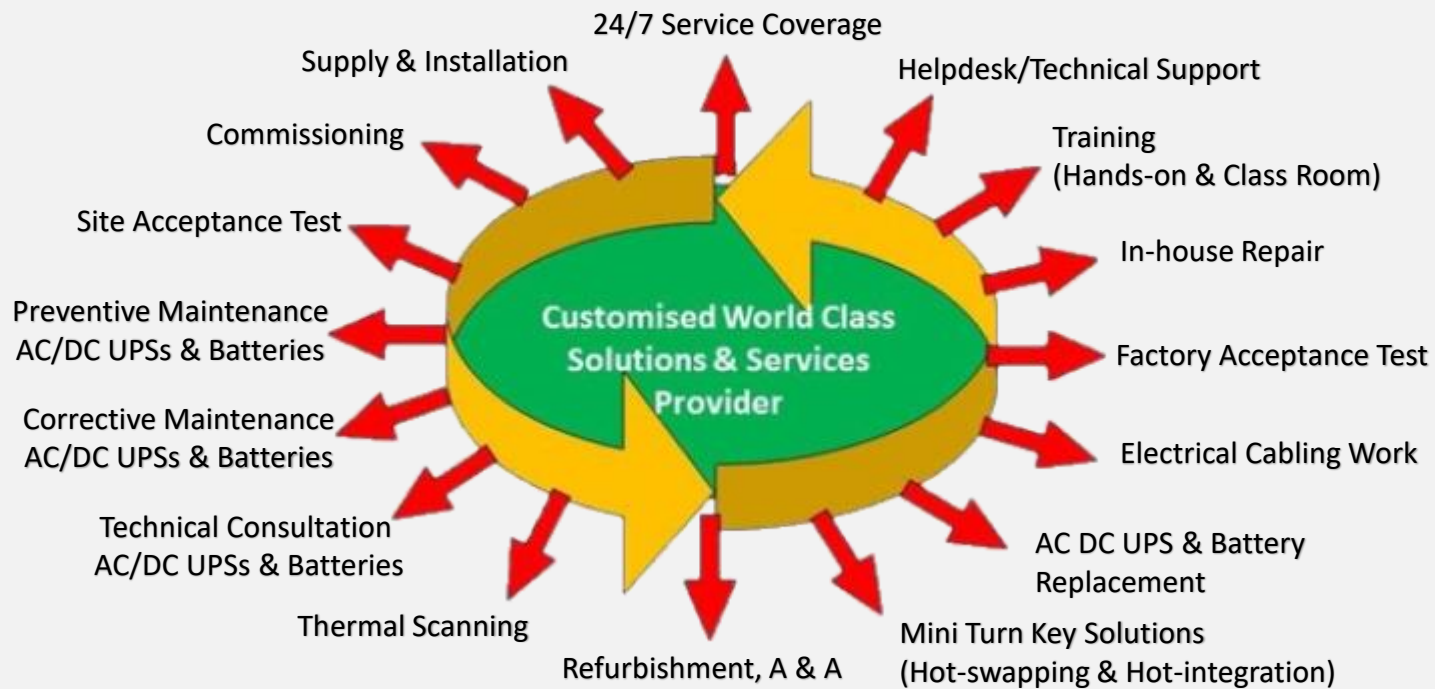
Excellence ECU Series Semi Industrial AC UPS

MODEL		CECU1101	CECU1102	CECU1103
CAPACITY in kVA / kW		1kVA / 0.8kW	2kVA / 1.8kW	3kVA / 2.7kW
INPUT	Voltage	Low Transfer	L-N: 176Vac ± 3% @ 100% load, 130Vac ± 3% @ 50% load	
		Low Back	L-N: 188Vac ± 3% @ 100% load, 142Vac ± 3% @ 50% load	
		High Transfer	L-N: 276Vac ± 3%	
		High Back	L-N: 266Vac ± 3%	
	Frequency Range	40 - 70Hz		
	Frequency SYN	46 - 54Hz at 50Hz, 56 - 64Hz at 60Hz		
	Phase	1:1 phase, L+N+G		
	Current THDi	< 5% @ 100% non-linear load		
	Power Factor	≥ 0.99		
	Generate Input	Support		
Current	4A	7.8A	11.7A	
OUTPUT	Voltage	208 / 220 / 230 / 240Vac or 110 / 120 / 127Vac		
	Power Factor	0.8		
	Voltage Regulation	±1-2%		
	Frequency-Bypass Mode	46 - 54Hz at 50Hz, 56 - 64Hz at 60Hz		
	Frequency -Batt. Mode	50 / 60Hz ± 0.02Hz		
	Crest Factor	3:1		
	Harmonic Distortion	≤ 3% THD @ Linear Load ≤ 5% THD @ Non-linear Load		
	Output Waveform	Pure Sine Wave		
	Outlet	Universal Sockets x 2		Terminals
	Overload Capacity	105% < Load < 125% for 1 min, 125% < Load < 150% for 30sec		
EFFICIENCY	AC Mode	Full Load ≥ 89%		
	Battery Mode	Full Load ≥ 86%		
	ECO Mode	Full Load ≥ 95%		
BATTERY	Number of Batt. per set	2 Blocks Built-in / 3 Blocks Long-run	6 Blocks Built-in / 8 Blocks Long-run	
	Battery Type	Sealed Lead Acid Maintenance Free Standard model: 12Vdc 7Ah or 12Vdc 9Ah Built-in Long-run model: Optional External Battery Capacity to 12Vdc 40Ah		
	Backup Time	Standard unit: 5 to 12mins Long-run unit: External Battery Dependent	Standard unit: 8 to 16mins Long-run unit: External Battery Dependent	Standard unit: 5 to 10mins Long-run unit: External Battery Dependent
	Recharge Time (to 90%)	4 Hours	5 Hours	5 Hours
	Charger Current (Standard unit)	1A	1A	1A
	Charge Current (Long-run unit)	1A Built-in, 4A Long-run and > 4A as Option	1A Built-in, 4A Long-run and > 4A as Option	1A Built-in, 4A Long-run and > 4A as Option
	Rated Battery Voltage	24Vdc Built-in / 36Vdc Long-run	72Vdc Built-in / 96Vdc Long-run	
	Protection	Over Voltage, Over Current, Low Voltage		
TRANSFER TIME	Battery Socket	Anderson (Power Pole Modular Connectors)		
	Mains ↔ Battery	0ms		
SPECIAL FEATURE	Mains ↔ Bypass	0ms		
	Economic Mode (Eco-Mode)	Support		
INDICATOR	LCD Version (with LED)	Load, Battery, Input, Output, Operating Mode Information etc.		
AUDIBLE ALARM	Battery Mode	Sounding Every Four Seconds		
	Low Frequency	Sounding Every Second		
	Overload	Sounding Twice Every Second		
	Fault	Continuously Sounding		
PHYSICAL	Unit Dimension (D * W * H) in mm	600 * 600 * 1400	600*600*1400	600*600*1400
	Packing Dimension (D * W * H) in mm	640 * 640 * 1440	640 * 640 * 1440	640 * 640 * 1440
	Net / Gross W (KG)	71.25 / 74	70.5 / 74	78.75 / 81.75
	Operating Environment	0-to 40°C		
	Relative Humidity	0 to 90% (non-condensing)		
	Altitude	< 1500m, when > 1500m, derating		
Noise Level	< 55db at 1 Meter			
INTERFACE	Standard RS232 interface, (Option: USB, Dry contact, and SNMP Card)			

Excellence ECU Series Semi Industrial AC UPS

MODEL	CECU1106	CECU1110	CECU3110	CECU3115	CECU3120
CAPACITY in kVA/kW	6kVA/5.4kW	10kVA/9kW	10kVA/ 9kW	15kVA/13.5kW	20kVA/18kW
SYSTEM INPUT					
Phase		1 / 1 Phase, 1W+N+G		3 / 1 Phase, 3W+N+G	
Input PF		≥ 0.999		≥ 0.96	
Input Voltage	Low Transfer	70Vac (Ph-N) ± 3 % at 50% Load; 88Vac (Ph-N) ± 3 % at 100% Load		110Vac (Ph-N) ± 3 % at 50% Load; 176Vac (Ph-N) ± 3 % at 100% Load	
	Low Back	Low Line Loss Voltage + 5V		Low Line Loss Voltage +10V	
	High Transfer	156Vac (L-N) ± 3 % at 50% Load; 146Vac (L-N) ± 3 % at 100% Load		300Vac (L-N) ± 3 % at 50% Load; 276Vac (L-N) ± 3 % at 100% Load	
	High Back	High Line Loss Voltage - 5V		High Line Loss Voltage -10V	
Input frequency		40 – 70Hz			
BATTERY					
Type		VRLA Battery 12Vdc 7Ah to 12Vdc 9Ah		External Battery Capacity Dependent 12Vdc 7Ah to 12Vdc 40Ah as Standard and > 12Vdc 40Ah as Option	
Quantity		16 Blocks			
Backup Time	Standard Unit	3 to 10 mins Load Dependent			
	Long-run Unit	External Battery Capacity Dependent			
DC Voltage		192Vdc			
Float Voltage		Adjustable to 220Vdc			
Recharging Current	Standard Unit	1A		4A as Standard and > 4A as Option	
	Long-run Unit	4A as Standard and > 4A as Option			
SYSTEM OUTPUT					
Output P.F		0.9			
Output Voltage		220 / 230 / 240Vac +/-1% (Static)			
Frequency		46 ~ 54Hz or 56 ~ 64Hz @ Line mode, 50 / 60Hz ± 0.1Hz @ Battery mode			
Crest Factor		3:1			
Waveform Distortion		Less than 2% @ Linear load, Less than 4% @ Non-linear load			
Over Load		105% < Load <125% for 1min, 125% < Load < 150% for 30s			
Efficiency		95% @ Inverter Full Load Mode 98% @ECO Mode			
Transfer Time		0ms @ AC-Battery 0ms @ 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		Sounding Every Four Seconds(can be muted)			
Low Battery		Sounding Every Second			
Overload		Sounding Every Second			
Fault		Continuously Sounding			
MANAGEMENT					
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC			
Optional		SNMP / AS400 / USB			
ENVIROMENT					
Operation Humidity		0-to 90 % RH @ Non-condensing @ 0-to 40°C			
Noise Level		Less than 55dBA @ 1 Meter		Less than 58dBA @ 1 Meter	
PHYSICAL					
Net Weight (KG)	140	147.5	147.5	197.5	197.5
Gross Weight (KG)	152.5	160	460	560	710
Unit Dimension (D * W * H) in mm		600 * 600 * 1400			
Packing (D * W * H) in mm		640 * 640 * 1450			

3P Power One Stop Solution



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