

# 3P Power

Passion Profession Perfection



## PRODUCT CATALOGUE

Excellence ECU Series Semi Industrial AC UPS

## FEATURES

### • ADAPTABILITY

Designed to accept a wide range of input voltages and frequency range, this DC 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

### • 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

### • FAN SPEED CONTROL

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

### • 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 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, Traffic Control, Computer Networking and IT Device



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



\* Military application such as Precision Instruments, Monitoring and Transmission

# Excellence ECU Series Semi Industrial AC UPS

MODEL	ECU 1106	ECU 1110	ECU 1115	ECU 3115	ECU 3120
<b>CAPACITY in kVA/kW</b>	6kVA/5.4kW	10kVA/9kW	15kVA/13.5kW	15kVA/13.5kW	20kVA/18kW
<b>SYSTEM INPUT</b>					
Phase	1 / 1 Phase, 1W+N+E			3 / 1 Phase, 4W+N+E	
Input PF	≥ 0.96				
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: 286VAC ± 3%			
	High Back	L-N: 270VAC ± 3%			
Input frequency	40 – 70Hz				
<b>BATTERY</b>					
Type	Lead Acid, Valve Regulated Lead Acid, Ni-Cd and Lithium Ion				
DC Nominal Voltage	192VDC OR 220VDC				
Typical Numbers of Cells Range	96 Cells or 120 cells for Lead Acid Battery, Selectable from 140~145 cells or 174~182 cells for Ni-Cd Battery				
<b>SYSTEM OUTPUT</b>					
Output P.F	0.8 Lagging				
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				
	0 ms @ Bypass and Inverter				
<b>INDICATOR</b>					
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				
<b>AUDIBLE ALARM</b>					
Battery Mode	Sounding Every Four Seconds( can be muted)				
Low Battery	Sounding Every Second				
Overload	Sounding Every Second				
Fault	Continuously Sounding				
<b>MANAGEMENT</b>					
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC				
Optional	SNMP / AS400 / USB / Common Alarm Dry Contact				
<b>ENVIROMENT</b>					
Operation Humidity	0-to 90 % RH @ Non-condensing @ 0-to 40°C				
Noise Level	Less than 58dBA @ 1 Meter				
<b>PHYSICAL</b>					
Dimensions in mm (W x D x H)	600 x 600 x 1600	600 x 600 x 1600	600 x 600 x 1600	600 x 600 x 1600	600 x 600 x 1600
Approx. Weight (KG)	60	70	85	90	105
Product IP Protection	IP 20 as Standard Up to IP54 offered as Option				

## 3P Power One Stop Solution



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