

# 3P Power

Passion Profession Perfection



## PRODUCT CATALOGUE

Excellence Compact Rack Series AC UPS

# Excellence Compact Rack Series 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.

### • 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.

### • PARALLEL OPERATION

Maximum of 4 UPSs can be in parallel configuration with a common battery bank.

### • 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 and Traffic Monitoring



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



\* Military application such as Security and Monitoring

# Excellence Compact Rack Series AC UPS

MODEL		ECUR3310	ECUR3315	ECUR3320
CAPACITY in kVA / kW		10kVA / 10kW	15kVA / 15kW	20kVA / 20kW
PARALLEL CAPABILITY		4		
INPUT	Nominal	380/400/415Vac 3Phase 4Wires (3Ph+N)		
	Voltage Range	305Vac ~ 478Vac 3Phase @ 100% Load		
	Frequency Range	46-54Hz at 50Hz, 56-64Hz at 60Hz (Automatic Detection)		
	Phase	3:3 Phase, 3Ph+N+E		
	Current THDi	≤ 3% (100% Non-linear Load)		
	Power Factor	≥ 0.99 @ 100% Load		
OUTPUT	Voltage	380/400/415Vac 3Phase 4Wires (3Ph+N)		
	Voltage Regulation	± 1% (Battery Mode)		
	Frequency Synchronized Range	46 - 54Hz at 50Hz, 56 - 64Hz at 60Hz		
	Frequency (Battery Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz		
	Crest Factor	3:1		
	Harmonic Distortion	≤ 2% THD (Linear Load), ≤ 5% THD (Non-linear Load)		
	Output Waveform	Pure Sine Wave @ Inverter Mode		
	Transfer Time	0ms @ AC Mode to Battery Mode, ≤ 2ms @ Inverter Mode to Bypass Mode		
	Overload Capacity (AC Mode)	100%~110% for 60mins, 110%~125% for 10mins, 125%~150% for 1min, > 150% Immediately		
	Overload Capacity (Batt Mode)	100%~110% for 60mins, 110%~125% for 10mins, 125%~150% for 1min, > 150% Immediately		
EFFICIENCY	AC Mode	95.5% @ 100% Load		
	Battery Mode	94.5% @ 100% Load		
	ECO Mode	98.5% @ 100% Load		
BATTERY	Battery Type	Lead Acid, Ni-Cd and Lithium Ion (Other type of standby application can be discussed)		
	Nominal Battery Voltage	±120V	±192V (Adjustable to ±240V)	
	Battery Charging Current	1A to 12A (Adjustable)		
PHYSICAL	Dimensions D x W x H	680mm x 438mm (19") x 133mm (3U)		
	Weight in kg	27	30	
ENVIROMENT	Operating Environment	0-40°C		
	Relative Humidity	0-90% (non-condensing)		
	Altitude	< 1500m, when > 1500m, derating		
	Noise Level	< 62db @ 1 Meter	< 65db @ 1 Meter	
INTERFACE	Standard	Smart RS232/USB, Support Windows® Family, Linux and MAC		
	Option	Power Management from SNMP Manager and Web Browser		

# Excellence Compact Rack Series AC UPS

MODEL		ECUR3330	ECUR3340	ECUR3360
CAPACITY in kVA / kW		30kVA / 30kW	40kVA / 40kW	60kVA / 60kW
PARALLEL CAPABILITY		4		
INPUT	Nominal	380/400/415Vac 3Phase 4Wires (3Ph+N)		
	Voltage Range	305Vac ~ 478Vac 3Phase @ 100% Load		
	Frequency Range	46-54Hz at 50Hz, 56-64Hz at 60Hz (Automatic Detection)		
	Phase	3:3 Phase, 3Ph+N+E		
	Current THDi	≤ 3% (100% Non-linear Load)		
	Power Factor	≥ 0.99 @ 100% Load		
OUTPUT	Voltage	380V/400V/415V 3Phase 4Wires (3Ph+N)		
	Voltage Regulation	± 1% (Battery Mode)		
	Frequency Synchronized Range	46 - 54Hz at 50Hz, 56 - 64Hz at 60Hz		
	Frequency (Battery Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz		
	Crest Factor	3:1		
	Harmonic Distortion	≤ 2% THD (Linear Load), ≤ 5% THD (Non-linear Load)		
	Output Waveform	Pure Sine Wave @ Inverter Mode		
	Transfer Time	0ms @ AC Mode to Battery Mode, ≤ 2ms @ Inverter Mode to Bypass Mode		
	Overload Capacity (AC Mode)	100%~110% for 60mins, 110%~125% for 10mins, 125%~150% for 1min, > 150% Immediately		
	Overload Capacity (Batt Mode)	100%~110% for 60mins, 110%~125% for 10mins, 125%~150% for 1min, > 150% Immediately		
EFFICIENCY	AC Mode	95.5% @ 100% Load		
	Battery Mode	94.5% @ 100% Load		
	ECO Mode	98.5% @ 100% Load		
BATTERY	Battery Type	Lead Acid, Ni-Cd and Lithium Ion (Other type of standby application can be discussed)		
	Nominal Battery Voltage	±192V (Adjustable to ±240V)		
	Battery Charging Current	1A to 12A (Adjustable)	1A to 16A (Adjustable)	1A to 18A (Adjustable)
PHYSICAL	Dimensions D x W x H	680mm x 438mm (19") x 133mm (3U)		797mm x 19" x 176 (4U)
	Weight in kg	32	34	45
ENVIROMENT	Operating Environment	0-40°C		
	Relative Humidity	0-90% (non-condensing)		
	Altitude	< 1500m, when > 1500m, derating		
	Noise Level	< 65db @ 1 Meter	< 70db @ 1 Meter	
INTERFACE	Standard	Smart RS232/USB, Support Windows® Family, Linux and MAC		
	Option	Power Management from SNMP Manager and Web Browser		

## 3P Power One Stop Solution



**3P**Power

Passion Profession Perfection

**3P POWER PTE. LTD.**

1 Genting Link, #04-02,  
Perfect One Building,  
Singapore 349518

T +65 6743 1006 & +65 6019 0772

E [enquiry@3ppower.com](mailto:enquiry@3ppower.com)

W [www.3ppower.com](http://www.3ppower.com)