

Passion Profession Perfection



PRODUCT CATALOGUE

Excellence Compact Rack Series 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, spokes & 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, antielectric 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 and Traffic Monitoring



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



*Military application such as Security and Monitoring

	MODEL		ECUR 1101	ECUR 1102	ECUR 1103	
CAPACITY in KVA / kW		1kVA / 0.9kW	2kVA / 1.8kW	3kVA / 2.7kW		
CALACITATION	, Kee			@ 100% Load;130 VAC ± 3% @ 50	,	
		Low Transfer	Or 85VAC ± 3% (Ph-N) @100% Load, 65VAC ± 3% (Ph-N) at 50% Load			
		L D I.	L-N: 188VAC ± 3% @ 100% Load, 142VAC ± 3% @ 50% Load Or 95VAC (Ph-N) at 100% Load, 75VAC (Ph-N) at 50% Load			
	Voltage	Low Back				
		High Transfer	L-N: 286VAC ± 3% Or 155V ± 3%			
		-				
	High Back		L-N: 270VAC±3% Or 140VAC±3%			
	Frequency Range		45-55Hz at 50Hz, 55-65Hz at 60Hz (Automatic Detection)			
INPUT	Phase Current TUD:		1:1 Phase, L+N+G < 6% (100% Non-linear Load)			
	Current THDi Power Factor		< 6% (100% NOTI-IIITEAT LOAD) ≥ 0.99			
	Generate Input		Support			
	Recommended Breaker		7A	16A	25A	
	ECO Range		200 - 240VAC Or 108 - 132VAC			
	Bypass Voltage Range		186 - 252VAC Or 102 - 138VAC			
	Current Harmonic		≦ 3% (100% Non-linear Load)			
	Voltage		208 / 220 / 230 / 240VAC or 110 / 120 / 127VAC			
	Power Factor		0.9			
	Voltage Regulation		± 2%			
	Frequency (Static Bypass		46 - 54Hz at 50Hz, 56 - 64Hz at 60Hz			
OUTPUT	Frequency (Battery Mode)		50 / 60Hz ± 0.02Hz			
001101	Crest Factor		3:1			
			≤ 3% THD (Linear Load)			
	Harmonic Distortion		≤ 5% THD (Non-linear Load)			
	Output Waveform		Pure Sine Wave			
	Outlet		Universal Female Sockets			
	Overload Capacity		105% < Load < 125% for 1 mins, 125% < Load < 150% for 30sec			
	AC Mode		Full Load ≥ 90%			
EFFICIENCY	Battery Mode		Full Load ≥ 90%			
	ECO Mode		Full Load ≥ 95%			
	Number of Battery Battery Type		2 Blocks Built-in / 3 Blocks Long-run 6 Blocks Built-in / 6 Blocks Long-run Spaled Lead Acid Maintenance Free Standard model: 12VDC 7Ah or 9Ah Built-in			
			Sealed Lead Acid Maintenance Free, Standard model: 12VDC 7Ah or 9Ah Built-in Long-run Unit: Optional External Battery Capacity to 12VDC 60Ah			
	Backup Time		About 120mins with External	About 90mins with External	About 60mins with External	
			Battery Pack	Battery Pack	Battery Pack	
BATTERY	D. d.	Ti t. 000/	·	·	,	
	Recharge Time to 90% Charge Current (Standard Unit)		5 Hours 1A	5 Hours NA	5 Hours NA	
		(Long-run Unit)	6A and > 6A as Option	6A and > 6A as Option	6A and > 6A as Option	
		Battery Voltage	24VDC Built-in / 36VDC Long-run	72VDC Built-in / 7		
	Protection		Over Voltage, Over Current, Low Voltage			
	Battery Socket		Anderson (Power Pole Modular Connectors)			
TRANSFER	Mai	ins ←→ Battery	Oms			
TIME		ins ←→ Bypass		0ms		
INDICATOR	LCD Ve	rsion (with LED)		Output, Operating Mode Inform	ation etc.	
	Battery Mode		Sounding Every Four Seconds			
AUDIBLE	Low Frequency		Sounding Every Second			
ALARM	Overload		Sounding Twice Every Second Continuously Sounding			
	Fault Unit Dimension UPS →		485 * 480 * 88 (2U)	630 * 480 * 88 (2U)	630 * 480 * 88 (2U)	
	(D * W * H)mm Battery Pack →		External	External	External	
	Packing Dimension UPS →					
	(D * W * H)mm Battery Pack →		External	External	External	
	Standard Unit Net/Gross (KG)		32 / 35	34 / 36	37 / 39	
PHYSICAL	Long-run Unit Net/Gross (KG)		14 / 18	15 / 20	16 / 23	
	Operating Environment		0-40°C			
	Relative Humidity		0-90% (non-condensing)			
	Altitude		< 1500m, when > 1500m, derating			
INTERFACE		Noise Level	< 55db at 1 Meter			
INTERFACE			Standard: USB and AS400,	Option: SNIVIP		

INPUT OUTPUT	Voltage Low Tollage High Tollage Curre Powe General Recommended ECC Bypass Voltage Current Hat Powe Voltage Reg Frequency (Static	Phase nt THDi r Factor te Input Breaker D Range e Range armonic Voltage r Factor gulation	6kVA / 6kW L-N: 176VAC ± 3% @ 100% Load;130 VAC Or 85VAC ± 3% (Ph-N) @100% Load, 65VAC ± L-N: 188VAC ± 3% @ 100% Load, 142VAC Or 95VAC (Ph-N) at 100% Load, 75VAC (I L-N: 286VAC ± 3% L-N: 270VAC ± 3% 40Hz-70Hz, Tracking Range 46-54Hz at 50I 1:1 Phase, L+N+G < 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VAC 1.0 ± 1%	3% (Ph-N) at 50% Load 5.± 3% @ 50% Load Ph-N) at 50% Load Hz, 56-64Hz at 60Hz ead) 63A VAC VAC vac			
	Voltage High 1 High 2 Curree Powee Generat Recommended ECC Bypass Voltage Current Har Powee Voltage Reg Frequency (Static	pw Back Transfer gh Back y Range Phase nt THDi r Factor te Input Breaker D Range e Range armonic Voltage r Factor gulation	Or 85VAC±3% (Ph-N) @100% Load, 65VAC± L-N: 188VAC±3% @ 100% Load, 142VAC Or 95VAC (Ph-N) at 100% Load, 75VAC (I L-N: 286VAC±3% L-N: 270VAC±3% 40Hz-70Hz, Tracking Range 46-54Hz at 50I 1:1 Phase, L+N+G < 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	3% (Ph-N) at 50% Load 5.± 3% @ 50% Load Ph-N) at 50% Load Hz, 56-64Hz at 60Hz ead) 63A VAC VAC vac			
	Voltage High 1 High 2 Curree Powee Generat Recommended ECC Bypass Voltage Current Har Powee Voltage Reg Frequency (Static	pw Back Transfer gh Back y Range Phase nt THDi r Factor te Input Breaker D Range e Range armonic Voltage r Factor gulation	L-N: 188VAC±3% @ 100% Load, 142VAC Or 95VAC (Ph-N) at 100% Load, 75VAC (I L-N: 286VAC±3% L-N: 270VAC±3% 40Hz-70Hz, Tracking Range 46-54Hz at 50I 1:1 Phase, L+N+G < 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	E± 3% @ 50% Load Ph-N) at 50% Load Hz, 56-64Hz at 60Hz ead) 63A VAC VAC vac			
	Frequency (Statics Frequency (Battery)	gh Back y Range Phase nt THDi r Factor te Input Breaker D Range e Range armonic Voltage r Factor gulation	Or 95VAC (Ph-N) at 100% Load, 75VAC (I L-N: 286VAC ± 3% L-N: 270VAC ± 3% 40Hz-70Hz, Tracking Range 46-54Hz at 50I 1:1 Phase, L+N+G < 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≤ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	Hz, 56-64Hz at 60Hz ead) 63A VAC VAC vac			
	Frequency (Statics Frequency (Battery)	gh Back y Range Phase nt THDi r Factor te Input Breaker D Range e Range armonic Voltage r Factor gulation	L-N: 286VAC ± 3% L-N: 270VAC ± 3% 40Hz-70Hz, Tracking Range 46-54Hz at 50l 1:1 Phase, L+N+G < 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≤ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	Hz, 56-64Hz at 60Hz ead) 63A VAC VAC vac			
	Recommended ECC Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	gh Back y Range Phase nt ThDi r Factor te Input Breaker D Range e Range armonic Voltage r Factor gulation	L-N: 270VAC±3% 40Hz-70Hz, Tracking Range 46-54Hz at 50I 1:1 Phase, L+N+G < 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≤ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	ad) 63A VAC VAC vac			
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	Curre Powe Generat Recommended ECC Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	y Range Phase nt THDi r Factor te Input Breaker D Range e Range armonic Voltage r Factor gulation	40Hz-70Hz, Tracking Range 46-54Hz at 50l 1:1 Phase, L+N+G < 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≤ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	ad) 63A VAC VAC vac			
	Curre Powe General Recommended ECC Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	Phase nt THDi r Factor te Input Breaker D Range e Range armonic Voltage r Factor gulation	1:1 Phase, L+N+G < 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≤ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	ad) 63A VAC VAC vac			
	Powe Generat Recommended ECC Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	nt THDi r Factor te Input Breaker O Range e Range armonic Voltage r Factor gulation	< 6% (100% Non-linear Lo ≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≤ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	63A VAC VAC oad)			
OUTPUT	Powe Generat Recommended ECC Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	r Factor te Input Breaker O Range e Range armonic Voltage r Factor gulation	≥ 0.99 at 100% Load Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	63A VAC VAC oad)			
OUTPUT	Generat Recommended ECC Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	Breaker D Range Range Range Armonic Voltage r Factor gulation	Support 32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	VAC VAC vad)			
OUTPUT	Recommended ECC Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	Breaker D Range Range Range Armonic Voltage r Factor gulation	32A 200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	VAC VAC vad)			
OUTPUT	Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	O Range Range Armonic Voltage r Factor gulation	200 - 240VAC Or 108 - 132 186 - 252VAC Or 102 - 138 ≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	VAC VAC vad)			
OUTPUT	Bypass Voltage Current Ha Powe Voltage Reg Frequency (Static	e Range armonic Voltage r Factor gulation	186 - 252VAC Or 102 - 138 ≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	VAC pad)			
OUTPUT	Powe Voltage Reg Frequency (Static	Voltage r Factor	≦ 3% (100% Non-linear Lo 208 / 220 / 230 / 240VA 1.0	pad)			
OUTPUT	Powe Voltage Reg Frequency (Static Frequency (Battery	Voltage r Factor gulation	208 / 220 / 230 / 240VA 1.0				
OUTPUT	Powe Voltage Reg Frequency (Static Frequency (Battery	r Factor gulation	1.0				
ОИТРИТ	Voltage Reg Frequency (Static Frequency (Battery	gulation					
ОИТРИТ	Frequency (Static		± 1/0				
ОИТРИТ	Frequency (Battery	y pass					
ОИТРИТ		Mode)	46 - 54Hz at 50Hz, 56 - 64Hz at 60Hz				
			50 / 60Hz ± 0.1Hz				
	Crest Factor		3:1				
	Harmonic Distortion		≤ 3% THD (Linear Load)				
			≤ 6% THD (Non-linear Load)				
	Output Waveform		Pure Sine Wave				
	Outlet		Universal Female Sockets				
	Overload C	Capacity	105% < Load < 125% for 1min, 125% < Load < 150% for 30sec				
EFFICIENCY	AC Mode		92% at Full Load				
LIFICILING	Batter	y Mode	90% at Battery Mode				
	Number of Battery 16 Blocks per string						
	Batte	ry Type	Sealed Lead Acid Maintenance Free, Standard model: 12VDC7Ah for 6kVA or 9Ah for 10kVA				
	Datte. 7 17pc		Long-run Unit: Optional External Battery Capacity 12VDC 60Ah				
	Backup Time Recharge Time to 90%		About 90mins with External Battery Pack	Maximum 45mins with External			
BATTERY				Battery Pack			
			5 Hours	5 Hours			
	Charge Current (Standard Unit)		1A	1A			
Ch	Charge Current(Long-run Unit)		6A Long-run and > 6A as Option	6A Long-run and > 6A as Option			
TDANCEED	Rated Battery		192VDC	192VDC			
TRANSFER TIME	$\begin{array}{c} \text{Mains} \leftarrow \rightarrow \\ \text{Mains} \leftarrow \rightarrow \end{array}$		Oms Oms				
INDICATOR		D Panel		ode Information etc			
HUDICATOR			Load, Battery, Input, Output, Operating Mode Information etc.				
AUDIBLE	Battery Mode Low Battery		Sounding Every Four Seconds (Can be muted) Sounding Every Second				
ALARM	Overload		Sounding Every Second				
	Fault		Continuously Sounding				
	Unit Dimension		630 * 480 * 88 (2U)	630 * 480 * 133 (3U)			
(D ⁻	(D * W * H)mm Battery Pack →		External	External			
	Packing Dimension UPS →		630 * 540 * 166	680 * 540 * 200			
	(D * W * H)mm Battery Pack →		External	External			
Sto	Std Unit Net/Gross (kg) UPS →		22/25	27 /30			
	Battery Pack →		55/58	55 /58			
PHYSICAL L	Long-run Unit Net/Gross (kg)		17/23	20/25			
	20116 1 411 0 1111 1 1 1 C (01 0 0 0 1 (NG)		, 20	_3, _3			
	Operating Environment		0-40°C				
			0-90% (non-condensing)				
	Relative Humidity						
	Altitude		< 1500m, when > 1500m, de-rating				
INTERFACE	Noise Level < 55db at 1 Meter < 58db at 1 Meter Standard: Smart RS232/USB, Option: SNMP Power Management From SNMP Manager and Web Browser						
PARALLEL							
TECHNOLOGY	Advanced N+1 Redundancy Parallel Technology with Maximum 6 Units						

3P Power One Stop Solution





Passion Profession Perfection

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