



On-Line Double Conversion
1 Phase in - 1 Phase out
1 to 3 kVA.

AccuLiNE

UNINTERRUPTIBLE POWER SUPPLY

CNQplus Series

ON-LINE UPS

- Rack/Tower mounting
- Output Power Factor PF: 0,9
- Increased AC-AC Efficiency (up to 90%)
- Unity Input Power Factor (p.f. > 0,99)
- Low Input Current THD (<5%)
- Low Output Voltage THD (<2%)
- Wide input voltage range
- Built-in Static Bypass
- High efficiency results in energy saving
- Recharge to 90% battery capacity within 4 hours
- Rotatable LCD display
- Event Log Display
- Intelligent battery management system extends the life time of batteries
- Digital Signal Processor (DSP) design enables precise and reliable control
- Advanced communication features
- Generator compatibility
- USB and RS232 port
- EPO Port for Emergency Power Off
- 50/60Hz Frequency Converter Operation Mode (Adjustable from LCD Panel)
- Management and monitoring software available for all operating systems
- Communication with computers and network systems through Optional SNMP
- Optional MODBUS protocol
- Optional Relays for dry contact signals
- Compact dimension



HIGH EFFICIENCY, REAL ECONOMY

High efficiency of up to 95% (ECO Mode), reduces the operational cost and provides significant energy saving.

Continuous Operation, Unique Operational Efficiency, Minimized occupied Installation Area.



MODEL			1000 RT	1000 SRT	2000 RT	2000 SRT	3000 RT	3000 SRT
CAPACITY	VA/W		1000 / 900		2000 / 1800		3000 / 2700	
INPUT	Phase		Single Phase with Ground					
	Voltage Range		120 ~ 276 VAC					
	Frequency Range		45 - 55 Hz / 54 - 66 Hz					
	THDi		< 5 % with R Full Load					
	Power Factor		> 0.99 @ R Full Load					
OUTPUT	Voltage		208 VAC / 220 VAC / 230 VAC / 240 VAC					
	Voltage Regulation		± 1 %					
	Frequency (Synchronized Range)		45 - 55 Hz / 54 - 66 Hz (auto-sensing)					
	Frequency (BAT Mode)		50 / 60 Hz ± 0.2 Hz					
	Current Crest Ratio		3:1					
	Harmonic Distortion		≤ 2 % @ Linear load / ≤ 5 % @ Non-linear load					
	Output Waveform		Pure Sine Wave					
	Overload Capacity		12 s @ 102 % - 130 % load					
			1.5 s @ 130 % - 150 % load					
		100 ms @ > 150 % load						
EFFICIENCY	Line Mode		> 88 %		> 89 %		> 90 %	
	BAT Mode		> 83 %		> 83 %		> 86 %	
	ECO Mode		> 95 %		> 95 %		> 95 %	
BATTERY	Number of Internal Batteries		3	Depending on the number and capacity of the external batteries	4	Depending on the number and capacity of the external batteries	6	Depending on the number and capacity of the external batteries
	Battery Type		12V / 7.2 Ah		12V / 9 Ah		12V / 9 Ah	
	Backup Time		< 5 minutes		< 5 minutes		< 5 minutes	
	Recharge Time		3 hr to 90 %		3 hr to 90 %		3 hr to 90 %	
	Charging Current (max)		1.5 A	6 A	1.5 A	6 A	1.5 A	6 A
TRANSER TIME	LINE <--> BAT		0 ms					
	INV <--> BYPASS		0 ms					
	INV-->ECO		1 ms					
	ECO--> INV		< 10 ms					
INDICATOR	LCD		Load level / Battery voltage / Battery Mode / AC Mode / Bypass Mode Information					
AUDIBLE ALARM	BAT Mode		Sounding every 4 Seconds					
	Low Battery		Sounding every Second					
	Fault		Continuously Sounding					
	Overload		Sounding Twice Every Second					
PHYSICAL	Dimensions (W x H x D mm)		438 × 86.5 (2U) × 436				438 × 86.5 (2U) × 608	
	Weight (kg)		16,2	8,4	19,9	9,3	28,6	13,2
ENVIRONMENT	Relative Humidity		0 - 95 % (Non-Condensing)					
	Noise Level		<45 dB @ Front 1 meter		<50 dB @ Front 1 meter			
INTERFACE	RS232/USB		Software supports Windows Family, Linux, Sun Solaris IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, MAC					
	External Slot		SNMP / AS400 Card					
	EPO		Emergency Power Off					

* Specifications are subject to change without previous notice (REV202007)

