

300R

Line interactive, 1000VA - 3000VA

Key applications include telephone systems, security, servers and networks



Features snapshot

- ☐ Line interactive (VI) technology
- ☐ Intelligent monitoring software
- ☐ Clear block LCD display
- ☐ High efficiency up to 97%
- ☐ Rack/tower compact convertible design
- ☐ 0.9 output power factor
- ☐ Serial, USB, SNMP, MODBUS and Relay connectivity
- ☐ Network management for alerts and scheduled shutdown
- ☐ Expandable runtime with additional battery modules
- ☐ Automatic voltage regulator (AVR)
- ☐ User-replaceable hot swappable batteries

The **CRT300R** is a compact, line interactive, pure sinewave UPS. It delivers 28% more useable power than other UPS systems in its class thanks to the up-rated 0.9 output power factor. The series also provides an overall AC efficiency of 97% whilst operating in its most resilient mode of protection.

The range only takes 2U of rack space when in rackmount form and includes batteries for standard runtime.

Encompassing all the key features of a smart, line interactive, single phase UPS solution, the **CRT300R** is affordable, reliable and flexible. Its rack mountable and floor standing tower ergonomics give the **CRT300R** maximum installation flexibility.

THE POWER AUTHORITY



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 **CertaUPS**

MODELS	CRT300R-010-B	CRT300R-015-B	CRT300R-020-B	CRT300R-030-B
Power (VA) max	1000	1500	2000	3000
Power (W) max	900	1350	1800	2700
INPUT				
Cold Start	Yes, default frequency = 50Hz			
Input Voltage Window	176VAC-288VAC			
Phase	Single phase with ground			
Transfer Voltage Range	220/230/240VAC			
Input Frequency Range	45-55Hz / 55-65Hz (±0.1Hz)			
OUTPUT				
Power Factor	0.9			
Waveform	Pure Sinewave			
Nominal voltage	220VAC/230VAC/240VAC			
Voltage distortion (typical)	<3% THD, linear load			
	<6% THD, non-linear load			
OUTPUT FREQUENCY				
Synchronisation range	45-55Hz / 55-65Hz			
Battery mode	50/60±0.1Hz			
TRANSFER TIME				
Line mode to battery mode	(Normal mode) 2 ~ 6ms			
Line mode to battery mode	(Generator mode) 13ms (max.)			
FULL LOAD EFFICIENCY				
Normal Line mode with battery fully charged	>97%			
Buck mode with battery fully charged	>95%			
Boost mode with battery fully charged	>92%			
Battery mode 12Vdc/Battery	>82%			
BATTERY				
DC Voltage	36VDC		72VDC	
Back-up Time (full load)	4.5 minutes	3 minutes	4.5 minutes	3 minutes
Charging current (max)	1.5A			
Charging time	3h charge to 90%			
MECHANICAL				
Dimensions W x D x H (mm)	438 x 430 x 86.5 (2U)		438 x 600 x 86.5 (2U)	
Weight (Kg)	18	20	28	32
AC Outlets	8 x IEC C13		8 x IEC C13 + 1 x IEC C19	

