

CertaUPS C750R Technical Specification

Model	C750R-100-C	C750R-200-C
Capacity	10kVA/10kW	20kVA / 20kW
INPUT PERFORMANCE		
Input Voltage Range	110VAC - 300VAC	
Rated Voltage	220/230/240VAC	
Main input rated current (3 phase)	22A	43A
Main input rated current (1 phase)	65A	129A
Bypass input rated current (3 phase)	16A	31A
Bypass input rated current (1 phase)	47A	93A
Frequency	40Hz/70Hz	
Frequency Range	45Hz-55Hz (50Hz system), 54Hz-66Hz (60Hz system) @ load>60%	
Bypass input frequency	45-55Hz(50Hz system) / 54-66Hz(60Hz system)	
Power Factor (Pf)	1	
OUTPUT		
Voltage Regulation (AC Mode)	220/230/240V AC	
Maximum Power Factor	1	
Transfer Time Line <-> Battery	0ms	
Transfer Time INV<-> Bypass	0ms	
Wave form	Pure sine wave	
Short Circuit Current on Normal Mode (3 phase output)	30A for 10±1 cycle	74A for 10±1 cycle
Short Circuit Current on Normal Mode (1 phase output)	90A for 10±1 cycle	222A for 10±1 cycle
Overload Capacity	105%-125% Load, 10 minutes transfer to Bypass; 125%-150% Load, 30 seconds transfer to Bypass; >150% Load, 0.5 seconds transfer to Bypass	
BATTERY		
Voltage	240VDC	480VDC
CHARGER		
Charging Current (default)	4A	4A
Charging range	1~13A adjustable	
OTHER MODE		
CVCF	Yes (deterating to 60% load)	
PHYSICAL		

Dimension (WxDxH) mm	438 x 559 x 129 (3U)	
Net weight (Kg)	24	25
IP Protection Level	IP20	
ENVIRONMENT		
Operating Temperature	0-50°C (derating 50% above 40°C) excluding batteries	
Relative Humidity	0-95% (non-condensing)	
Operating Altitude	0-4000m (the load derating 1 % every up 100m @1000~3000m)	
Storage temperature (with battery)	-15°C - 40°C	
Storage temperature (without battery)	-25°C - 60°C	
Certification		
Safety	IEC/EN 62040-, UKCA, CE	
EMC	IEC/EN 62040-2	
Performance	IEC/EN 62040-3	

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