

CertaUPS 650R Technical Specification

Model	C650R-060-B	C650R-060-C	C650R-100-B	C650R-100-C
Capacity	6kVA/6kW		10kVA / 10kW	
INPUT				
Input Voltage Range	110VAC - 276VAC			
Rated Voltage	220/230/240VAC			
Frequency	50Hz/60Hz			
Frequency Range	45Hz-55Hz (50Hz system), 54Hz-66Hz (60Hz system) @ load>60%			
Power Factor	1			
Rated current	35A	45A	54A	63A
OUTPUT				
Voltage Regulation (AC Mode)	220/230/240V AC			
Rated Frequency	50 Hz / 60 Hz			
AC Outlets	Terminal Block			
Maximum Power Factor	1			
Voltage accuracy	±1%			
Transfer Time Line <-> Battery	0ms			
Transfer Time INV<-> Bypass	0ms			
Wave form	Pure sine wave			
Short Circuit Current on Normal Mode	54A for 200ms max		113A for 200ms max	
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	192 / 240V DC selectable			
Maximum EBM quantity	6			
CHARGER				
Charging Current (default)	1.4A	4A	2A	4A
Charging range	1~4A	2~12A	1~4A	2~12A
OTHER MODE				
CVCF	6C			
HMI				
Display	Dot matrix LCD (optional segment LCD)			

Language	Multi-language			
USB	USB 2.0 with HID power device			
RS232	Yes (DB9)			
Dry in/out	1 programmable dry in; 1 programmable dry out			
RPO	Yes			
Intelligent Slot	Yes			
Network Card	Optional, C-NMC			
Modbus Card	Optional, C-Modbus			
Dry Contactor Card	Optional, C-Relay			
Wireless Module	Optional, C-WIFI			
IOT Ethernet Port	RJ45			
Monitoring Software	Winpower, CertaUPS Monitor App			
PHYSICAL				
Dimension (WxDxH) mm	438 x 540 x 88 (2U)			
Net weight (Kg)	14	14	16	16
IP Protection Level	IP20			
ENVIRONMENT				
Operating Temperature	0-40°C (derating 50% above 40°C) excluding batteries			
Relative Humidity	0-95% (non-condensing)			
Operating Altitude	0-3000m (the load derating 1 % every up 100m @1000~3000m)			
Storage temperature (with battery)	-15°C - 40°C			
Storage temperature (without battery)	-25°C - 55°C			
Certification	CE, IEC/EN 62040, UKCA			

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