

Technical Data CS series

MODEL	CS-2	CS-3	CS-3/1	CS-155	CS-157	CS-159
Power - VA	600	1000	1500	3000	5000	10000
Input						
Phases	Monophase			Threephase + N		
Voltage	230 V \pm 20%			400 V \pm 20%		
Frequency	50 Hz \pm 10%					
Output						
Wave-form	SINE WAVE					
Harmonic distortion	< 3%					
Voltage	230 V \pm 1%			400 V \pm 1%		
Frequency	50 Hz \pm 0.5%					
Overload	105% for 10 sec., 130% for 300 ms					
Batteries						
Type	Sealed lead-acid					
No. Batteries	2 (12 V 44 Ah)			4 (12 V 44 Ah)		4 (12V 65Ah)
Vdc Voltage	24			48		
Restored energy time	3 hours for 90% charge level					
Stored energy time - min	90	40		15		
Protections	Overload, overtemperature, min/max battery voltage, min/max input voltage, min/max inverter voltage, synchronism					
Short-circuit	With fuse on mains, with electronic protection on inverter					
EMI Suppression	EMI/RFI Filter					
Signals						
LED	Mains, Output, Battery, Overload, Fault					
Display	Optional			Standard		
Acoustic	Battery mode, low battery, overload, overtemperature, fault					
Computer interface	RS232 - RS485 - SNMP - CAN (optional)					
Environmental						
Temperature	0°C \div 50°C					
Non-condensing humidity	0% \div 90%					
Noise (at 1 m)	< 52 dB					
Dimensions						
W x D x H - mm	450x250x650	550 x 250 x 750		650 x 400 x 1050		850x400x1450
Weight - kg	65	75	85	110	130	230
UPS Classification according EN 62040-3	Class VFI					
CE Marking	EEC 73/23; EEC 89/336; EEC 92/31					
Compliance with the standards	UPS: EN 60146-1-1, EN 62040-1-1, EN 62040-1-2, EN 62040-2, EN 62040-3, EN 60742; EMC: 89/336, 92/31; Low voltage: 73/23, 93/68					



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