

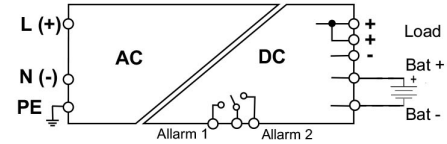
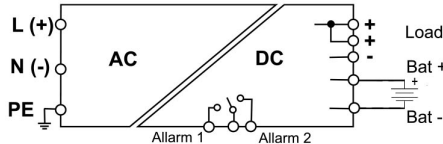
DC-UPS Power Supply with Integrated Battery Charger XCSC120B, XCSC120C

- Power supply with integrated battery charger
- Suitable for Lead-Acid batteries
- Supplies power to load and battery simultaneously
- Battery protection (overload and deep discharge)
- LED status indicator and alarm contact



NOTE

Please refer to the datasheet or operating instruction for more details
In order to complete the charge, the DC output of the power supply must be 2-3V more than nominal voltage of the battery



CODE TYPE	CSC120B	XCSC120B	CSC120C	XCSC120C
INPUT TECHNICAL DATA				
Input rated voltage	120-230 Vac		120-230 Vac	
Input voltage AC	90...264 Vac		90...264 Vac	
Input voltage DC	100...345 Vdc (derating U _{in} <130 Vdc)		100...345 Vdc (derating U _{in} <130 Vdc)	
Frequency	47...63 Hz		47...63 Hz	
Current consumption	1.6 A (120 Vac) / 0.91 A (230 Vac)		1.9 A (120 Vac) / 1.1 A (230 Vac)	
Inrush peak current	20 A		20 A	
Power factor	> 0.65		> 0.65	
Internal protection fuse	T 3.15 A		T 3.15 A	
External protection on AC line	MCB: C-4 A / Fuse: T 4 A		MCB: C-4 A / Fuse: T 4 A	
OUTPUT TECHNICAL DATA				
Output rated voltage	12 Vdc ±1%		24 Vdc ±1%	
Output voltage range	13...15 Vdc normal operation, 9...15 Vdc battery operation		26...26 Vdc normal operation, 17...25 Vdc battery operation	
Continuous current	5 A at 50°C		5 A at 50°C	
Battery safety fuse	-		-	
Status indication	LED "DC OK" / LED "Alarm"		LED "DC OK" / LED "Alarm"	
Alarm contact	dry contact, max. 1A @ 24 Vdc (U _{in} > 21.6 Vdc)		dry contact, max. 1A @ 24 Vdc (U _{in} > 10.8 Vdc)	
Battery type	Lead-Acid		Lead-Acid	
Battery capacity	max. 1.2 Ah (24 Vdc)		max. 1.2 Ah (24 Vdc)	
Charging current	150 mA		150 mA	
Battery disconnection voltage	≤ 9 Vdc ±0.5V		≤ 18 Vdc ±0.5V	
Protections	short-circuit / battery overload		reverse polarity, short-circuit, battery overload, battery deep discharge	
GENERAL TECHNICAL DATA				
Efficiency	81% (120 Vac) 83% (230 Vac)		84% (120 Vac) 86% (230 Vac)	
Dissipated power	25 W (120 Vac) 22 W (230 Vac)		22 W (120 Vac) 19 W (230 Vac)	
Operating temperature range	-20...+60°C (derating -2 W >45°C)		-20...+60°C (derating -3.2 W >45°C)	
Input / output isolation	3 kVac / 60 s (SELV output)		3 kVac / 60 s (SELV output)	
Input / ground isolation	1.5 kVac / 60 s		1.5 kVac / 60 s	
Output / ground isolation	0.5 kVac / 60 s		0.5 kVac / 60 s	
Standard / approvals	EN 60950-1		EN 60950-1	
EMC Standards	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4		EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	
Overvoltage category / Pollution degree	II / 2		II / 2	
Protection degree	IP 20		IP 20	
Connection terminal IN/OUT	2.5 mm ² / 2.5 mm ²		2.5 mm ² / 2.5 mm ²	
Housing material	aluminium		aluminium	
Dimension	40x130x115 mm		40x130x115 mm	
Approximate weight	450 g		450 g	
Mounting information	vertical on a rail, 10 mm from adjacent components		vertical on a rail, 10 mm from adjacent components	
APPROVALS	CE		CE	
ACCESSORIES				
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB		PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	
Mounting rail (IEC60715/TH35-15)	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB		PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB	