

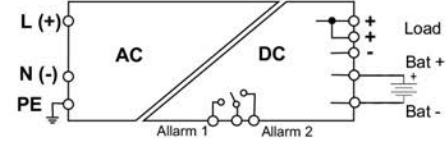
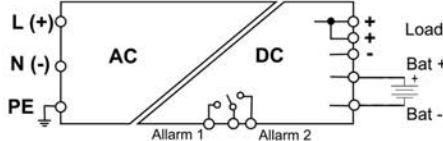
## DC-UPS Power Supply with Integrated Battery Charger XCSC120B, XCSC120C

- 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	XCSC120B	XCSC120C
<b>TYPE</b>	CSC120B	CSC120C
<b>INPUT TECHNICAL DATA</b>		
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 Uin<130 Vdc)	100...345 Vdc (derating Uin<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
<b>OUTPUT TECHNICAL DATA</b>		
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 (Uin > 21.6 Vdc)	dry contact, max. 1A @ 24 Vdc (Uin > 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
<b>GENERAL TECHNICAL DATA</b>		
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 mm² / 2.5 mm²	2.5 mm² / 2.5 mm²
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
<b>APPROVALS</b>	<b>CE</b>	<b>CE</b>
<b>ACCESSORIES</b>		
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