



Identification	Type	CDCU20 12/24DC UPS
	Part-No.	723100
Description	Uninterrupted DC system voltage DC UPS for lead batteries, NiMH (NiCd), Li-ION (LiFePO ₄) Input: wide-range input DC 12 V, DC 24 V, output: max. DC 20 A	

25.08.2017 – Subject to technical modification

Part-No. 723100

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Technical data sheet - DC UPS Battery Management System

Input

Input voltage	DC 12 V or 24 V
Input current	DC max. 20 A
Status display input	see monitoring
Parameterisation	Button/LCD display Software Powermaster (free Download Lütze web page)
Protection device	none

Energy storage

Memory type	chemical (lead based, Ni-MH / Ni-Cd, Li-ION / LiFePo ₄)
Nominal battery voltage	DC 12 V or DC 24 V
max. charging current	DC 5 A
max. battery capacity	max. 150 Ah
Max. output current	20 A, 35 A @ 5 s
Switching time on memory medium	<5 µs
Backup time	Can be configured max. up to deep discharging protection

Output

Rated voltage U_N	DC 24.00 V
Output voltage	DC 10 - 29 V
Rated current I_N	10.00 A
Max. output current	DC 20 A, 35 A @ 5 s

Status indication

Status display output	see monitoring
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Monitoring

Number of channels	2
Monitored functions	Coulomb counter, battery temperature, battery operating hours, no. of charging cycles
Switching voltage	30 V
Switching current	2 A
Contact type	N/O contact

General

Insulation voltage input / ground	0.5 kV, 1 min.
Operation temperature range	-20 °C ... +60 °C
Storage temperature range	-20 °C ... +85 °C
Relative air humidity	95 % not condensing
Cooling	free convection
Housing material	Aluminum

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SYSTEMATIC TECHNOLOGY

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Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	vertical
Protection class	IP20
Over voltage category	II
Degree of pollution	2 (IEC 664-1)
Weight	0.500 kg/piece
Connection device	IN/Battery/Out : 6 pin connector 2.5 mm ² , Grid dimensions 5.08 Auxiliary: 7 pin connector 0.5 mm ² , Grid dimensions 2.54 Temperature sensor: 2 pin, friction lock, Grid dimensions 2 mm USB: Mini USB connector
Dimensions (w × h × d)	63.0 × 117.0 × 140.0 mm
Max. power loss (Nominal operations)	<13 W
Max. power loss (Battery mode)	<18 W
Charging efficiency	>90 %
Approvals	cULus (E249179)
Standards	UL 508 CE EN 55011
PU	1 piece

User Interface

USB	Connection to PC
Control Elements	4 keys (menu selection and programming)
Status indication	LED red ON: System error, flashing: Battery mode
LCD display	1.5 inch, colour, graphic

Comments

Monitoring via LCD display
Suitable for DC12V and DC24V
Suitable for lead batteries, NI-MH, Li
Digital control
Battery charging current up to 5A
Output current up to 20A
Cold start automatic
Configuration / monitoring also via software
Remote On / Off

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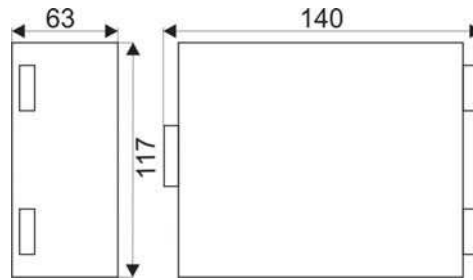
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Dimensions



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