

CBU-Series

AC/DC DC UPS Units , Din rail Mount 12V , 24V , 48V , 36W to 240W



Features

- Smart DC UPS with for 12, 24, 48Vdc systems.
- Full battery current control
- Visual LED indication for “Mains Fail”, “Battery Low”, “Battery fail” and “Battery charge status”.
- Alarm voltage free relay contacts for “Mains Fail”, “Battery fail or low”.
- 3 charging modes: “Boost”; “Trickle”, “Recovery in case of completely flat battery”
- Self-diagnostic function: “High voltage at battery ends”; “Open or sulphated battery”; “Inverted battery connection”; “Possible short-circuited element”; “protection against short-circuit”
- Options: Temperature compensation, Remote sense voltage drop compensation, Remote display LED panel.



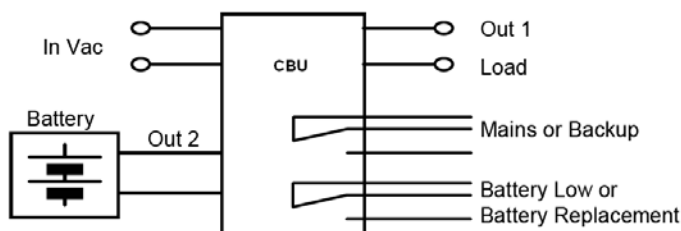
Description

The New CBU series of smart DC UPS units are microprocessor based with switchmode technology. Numerous features make these units a robust solution for the backup of dc power in numerous applications. The units perform optimum charging for the battery while insuring power to the load is not disrupted.

The CBU series provide full protection which includes reverse polarity protection, overload protection, battery current limiting, battery health check, battery low voltage disconnect.

Alarm relays indicate power failure as well as battery discharge and failure.

The CBU series have the ability to be force started from the battery if required. The CBU series are designed to be din rail mounted.



Specifications

Input Voltage	Single Phase 115VAC / 230VAC
Internal Fuse	Yes
Input Frequency	47 - 63 Hz
Minimum Load	No Minimum Load
Protection	
Protection	<ul style="list-style-type: none"> • Overload • Short Circuit • Reverse Battery Polarity • Output Overvoltage
Efficiency at 50% of In	> 81%
Operating Temperature	-10°C - 50°C
Relative Humidity	95% at 25°C
Storage Temperature	-25°C - 85°C
Isolation Voltage	3000VAC
Alarm Signals	Voltage free relay contacts to indicate 1-Mains Fail 2-Battery Low 3-Battery Fail
Options	<ul style="list-style-type: none"> • Battery Temperature Compensation • Remote Voltage Compensation • Remote Monitoring Panel
Maximum Total Continuous Current	110% OF I nominal
Battery Current Adjustment range	20% to 100% of I nominal
Protection	IP20 , class 1 with protective Earth
Safety	EN60950
EMC	In according to EMC 89/336/EEC and Low voltage 93/68/EEC Immunity in according with EN50082-2, level 4, class B Radio interference suppression in according with EN 55011 class A (industrial areas)

Model Selection Table

MODEL	Vnom (VDC)	Iout (ADC)	Pout Watts	Iout Surge	Float VDC	Boost VDC	Vout Range	I Battery Range	Dimensions (mm)	Weight KG	Input V
CBU-123A	12V	3A	36W	9A	13.75	14.4	11 - 13.5V	0.6A - 3A	65x115x135	0.6	93-264VAC
CBU-126A	12V	6A	72W	15A	13.75	14.4	11 - 13.5V	1.2A - 6A	65x115x135	0.6	93-264VAC
CBU-1210A	12V	10A	120W	20A	13.75	14.4	11 - 13.5V	2A - 10A	65x115x135	0.6	93-264VAC
CBU-243A	24V	3A	72W	9A	27.5	28.8	22 - 28.8V	0.6A - 3A	65x115x135	0.6	93-264VAC
CBU-245A	24V	5A	120W	15A	27.5	28.8	22 - 28.8V	1.2A - 6A	65x115x135	0.6	93-264VAC
CBU-2410A	24V	10A	240W	20A	27.5	28.8	22 - 28.8V	2A - 10A	100x115x135	0.85	115/230VAC Link Select
CBU-485A	48V	5A	240W	9A	55	57.6	44 - 57.6V	2A - 10A	100x115x135	0.85	115/230VAC Link Select

