



AudioBus



Battery Charger DC 12 V. – 12,5 A. / DC 24 V. – 6,25 A.



■ Features :

- 3 stage charging
- AC 115/230VAC selected by switch
- Built-in passive PFC function compliance to EN61000-3-2 Class A (option)
- Protection: Reverse Polarity/Short circuit/Over voltage/Over temperature
- Cooling by free air convection
- Charger for lead-acid batteries
- 2 color LED loading indicator
- Low cost, High reliability
- 2 years warranty

CBCE

300N12PB 12 V., 12,5 A.

300N24PB 24 V., 6,25 A.

OUTPUT	BOOST CHARGE VOLTAGE	14.4V	28.8V
	FLOAT CHARGE VOLTAGE	13.6V	27.2V
	VOLTAGE ADJUSTABLE RANGE	13 ~ 14.7V	26 ~ 28.8V
	RECOMMENDED BATTERY CAPACITY(AMP HOURS)(Note 5)	80 ~ 200Ah	40 ~ 125Ah
	BATTERY TYPE	Open & Sealed Lead Acid	
	OUTPUT CURRENT(max.)	20.85A	10.5A
	CONTINUOUS OUTPUT CURRENT (Typ.) (Note 6)	12.5A	6.25A
INPUT	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC selected by switch	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	85%	86%
	POWER FACTOR (Typ.)	>0.65 (with PFC series) at 230VAC	
	AC CURRENT (Typ.)	6A/115VAC	3A/230VAC
	INRUSH CURRENT (Typ.)	COLD START 60A	
	LEAKAGE CURRENT	<3.5mA / 240VAC	
PROTECTION	OVER LOAD	90 ~ 110% rated output current Protection type : Constant current limiting, recovers automatically after fault condition is removed	
	REVERSE POLARITY	By internal fuse	
	OVER VOLTAGE	15 ~ 17V	30 ~ 35V
	OVER TEMPERATURE	Protection type : Automatically derate charge current until zero	
ENVIRONMENT	WORKING TEMP.	-10 ~ +40°C (Refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 45°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 4)	SAFETY STANDARDS	EN60335-2-29 CB Approved by TUV	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC	
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3 (only P type)	
OTHERS	EMM IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A	
	MTBF	115.8Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	253*135*48.5mm(L*W*H)	
	PACKING	1.45Kg; 6pcs/9.7Kg/0.93CUFT	





Battery Charger DC 12 V. – 25 A. / DC 24 V. – 12,5 A.



■ Features :

- 3 stage charging
- AC 115/230VAC selected by switch
- Built-in passive PFC function compliance to EN61000-3-2 Class A (option)
- Protection: Reverse Polarity/Short circuit/Over voltage/Over temperature
- Charger for lead-acid batteries
- 2 color LED loading indicator
- Low cost, High reliability
- FAN on/off control (Depends on charging current)
- 2 years warranty

CBCCE

360P12PB 12 V., 24,3 A.

360P24PB 24 V., 12,5 A.

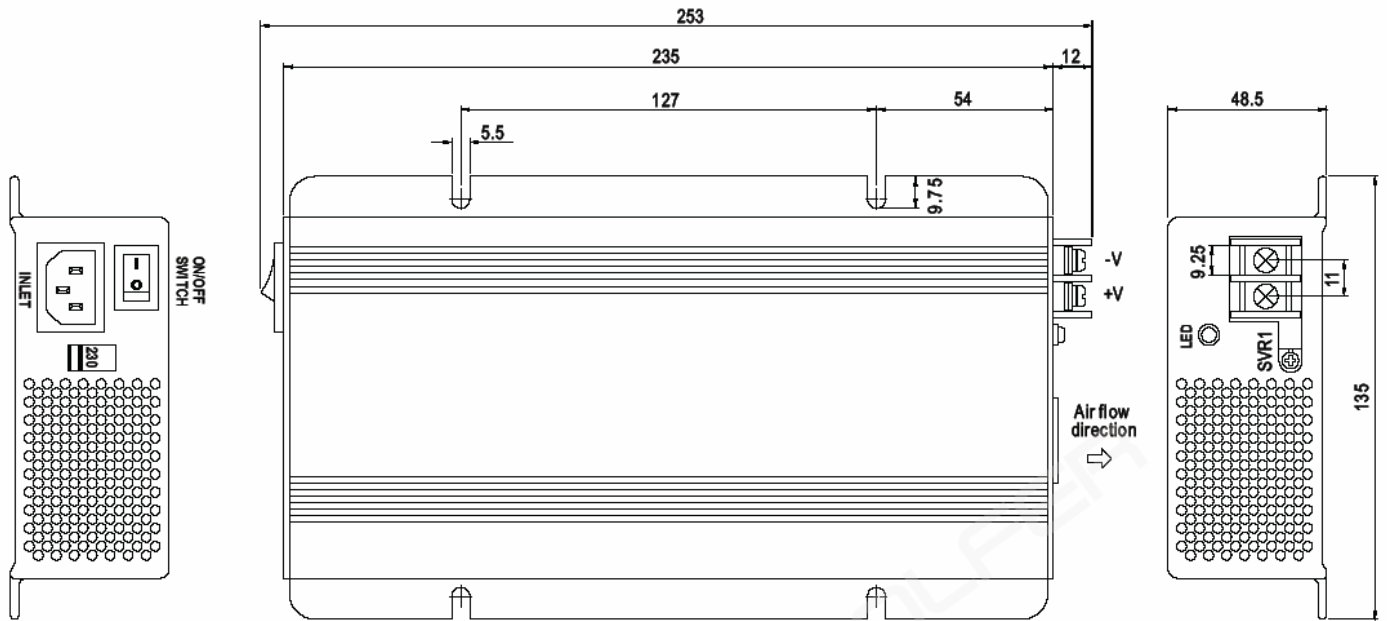
OUTPUT	BOOST CHARGE VOLTAGE	14.4V	28.8V
	FLOAT CHARGE VOLTAGE	13.6V	27.2V
	VOLTAGE ADJUSTABLE RANGE	13 ~ 14.7V	26 ~ 28.8V
	RECOMMENDED BATTERY CAPACITY (AMP HOURS) (Note 5)	80 ~ 200Ah	40 ~ 125Ah
	BATTERY TYPE	Open & Sealed Lead Acid	
	OUTPUT CURRENT	24.3A	12.5A
INPUT	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264 VAC selected by switch	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	85%	86%
	POWER FACTOR (Typ.)	>0.65 (with P type) at 230VAC	
	AC CURRENT (Typ.)	7A/115VAC 3.5A/230VAC	
	INRUSH CURRENT (Typ.)	COLD START 60A	
	LEAKAGE CURRENT	<3.5mA / 240VAC	
PROTECTION	OVER LOAD	90 ~ 110% rated output current Protection type : Constant current limiting, recovers automatically after fault condition is removed	
	REVERSE POLARITY	By internal fuse	
	OVER VOLTAGE	15 ~ 17V	30 ~ 35V
	OVER TEMPERATURE	Protection type : Automatically derate charge current until zero	
FUNCTION	REMOTE CONTROL (CN5)	Open: Normal work Short: Stop Charging	
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 45°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 4)	SAFETY STANDARDS	EN60335-2-29 CB Approved by TUV	
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC	
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2, -3 (only P type)	
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; EN50204, EN55024, Light industry level, criteria A	
OTHERS	MTBF	115.8Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	253*135*48.5mm(L*W*H)	
	PACKING	1.5Kg; 6pcs/10Kg/0.93CUFT	



Battery Charger DC 12 V. – 25 A. / DC 24 V. – 12,5 A.

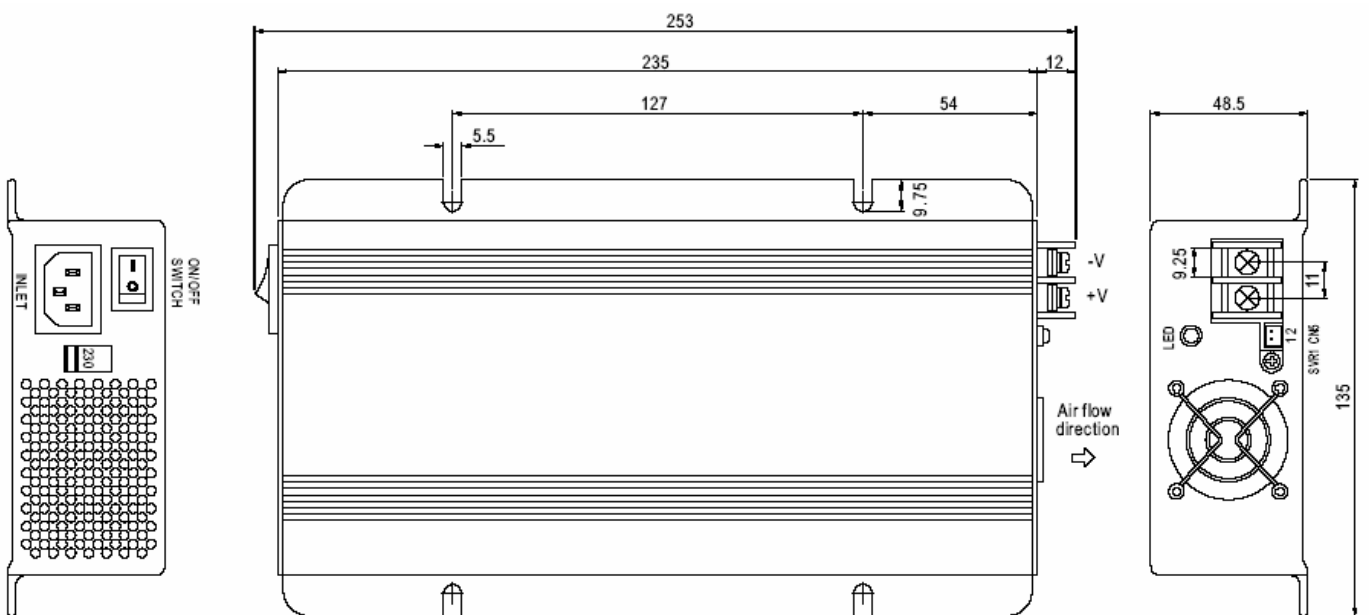
300N12PB 12 V., 12,5 A.

300N24PB 24 V., 6,25 A.



360P12PB 12 V., 24,3 A.

360P24PB 24 V., 12,5 A.





Battery Charger DC 12 V. – 60 A. / DC 24 V. – 35 A.



■ Features :

- Controlled by microprocessor
- 2/8 stage charging selectable on output panel
- Universal AC input / Full range
- Built-in active PFC function PF>0.95
- Protection: Reverse Polarity / Short circuit / Over voltage / Over temperature
- Charger for lead-acid batteries
- 3 color LED loading indicator
- Built-in remote ON-OFF control
- 2-Bank charger
- Temperature compensation function
- FAN on/off control (depends on charging current)



100012PB
12 V.- 60 A.

100024PB
24 V.- 35 A.

100048PB
48 V.- 17 A.

	100012PB	100024PB	100048PB	
OUTPUT	BOOST CHARGE VOLTAGE	14.4V	28.8V	57.6V
	FLOAT CHARGE VOLTAGE	13.8V	27.6V	55.2V
	OUTPUT CURRENT	60A	34.7A	17.4A
	RECOMMENDED BATTERY CAPACITY(AMP HOURS)(Note 3)	200 ~ 600Ah	120 ~ 350Ah	60 ~ 175Ah
	BATTERY TYPE	Open & Sealed Lead Acid		
LEAKAGE CURRENT FROM BATTERY (Typ.)	<1mA			
INPUT	VOLTAGE RANGE	90 ~ 264VAC	127 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	85%	88%	89%
	POWER FACTOR (Typ.)	0.95/230VAC	0.98/115VAC at full load	
	AC CURRENT (Typ.)	12A/115VAC	5.2A/230VAC	
	INRUSH CURRENT (Typ.)	25A/115VAC	50A/230VAC	
LEAKAGE CURRENT	<3.5mA / 240VAC			
PROTECTION	OVER VOLTAGE	16 ~ 18V	32 ~ 35V	64.5 ~ 69.5V
	OVER TEMPERATURE	80°C ±5°C (12V), 85°C ±5°C (24V,48V) (TSW1: detect on heatsink of power transistor) 85°C ±5°C (12V), 75°C ±5°C (24V,48V) (TSW2 : detect on heatsink of o/p diode) Protection type : Shut down o/p voltage, recovers automatically after temperature goes down		
	SHORT CIRCUIT	YES, protected by internal circuit		
	REVERSE POLARITY	YES, protected by internal circuit		
FUNCTION	REMOTE CONTROL	Open : Normal work Short: Stop Charging		
	BATTER BANKS	2 banks (A & B)		
	FAST CHARGE	2 / 8 stage selectable		
	CHARGER OK	Relay contact rating(max.): 30V/1A resistive ; "Short" when the unit is working properly, "Open"when the unit is failure or the protection function is activating		
	OUTPUT OK	Relay contact rating(max.): 30V/1A resistive ; "Short" when the battery is full, "Open" when the battery is still charging		
TEMPERATURE COMPENSATION	By NTC, compensate both banks at the same time			
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 50°C)		
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
SAFETY & EMC (Note 2)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC 25°C 70%RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22)		
	HARMONIC CURRENT	Compliance to EN61000-3-2, -3		
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A			
OTHERS	MTBF	127.4Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	300*184*70mm(L*W*H)		
	PACKING	3.5Kg; 4pcs/15Kg/1.83CUFT		





Battery Charger DC 12 V. – 60 A. / DC 24 V. – 35 A.

100012PB 12 V.- 60 A.

100024PB 24 V.- 35 A.

100048PB 48 V.- 17 A.

