

## AC/DC AND DC/DC CONVERTERS AND AC/DC BATTERY CHARGERS FROM 36 WATTS TO 480 WATTS

AC/DC and DC/DC converters.  
Input 24~32V AC 47~63Hz or 33~45V DC.  
Outputs from 24V DC 3A to 24V DC 20A.

Power ratings from 72 Watts to 480 Watts.  
With 5V, 12V and 48V DC also available.  
Protection Class I with provision for earth.

Ambient temperature range 0~50 deg C



A comprehensive range of AC/DC and DC/DC converters with input ranges of 24~32V AC and 33~45V DC. The standard single output voltage is 24V DC with additional 5V, 12V and 48V DC single outputs also available. The SW range are short circuit and overload protected with the PFAL range having additional over voltage and parallel operation features. The residual ripple on all units is <60mV and efficiency per unit is between 85% and 88%.

Reference	Output voltage and current	Output adjuster	Internal input fuse	Maximum current	Continuous current	Dimensions (mm) W x H x D : (kg)
SW243LC	24V DC 3A	None	None	3A +/-7%	3A	50 x 95 x 61 : 0.20
SW245HP	24V DC 5A	None	None	5A +/-7%	3.5A	50 x 95 x 61 : 0.20
SW247HP	24V DC 7A	None	None	7A +/-7%	5A	70 x 95 x 61 : 0.35
PFAL247	24V DC 7A	+/-10%	10A	7A +/-7%	5A	108 x 94 x 63 : 0.40
PFAL2410	24V DC 10A	+/-10%	15A	10A +/-7%	7A	124 x 94 x 96 : 0.50
PFAL2415	24V DC 15A	+/-10%	20A	15A +/-7%	10A	150 x 115 x 96 : 0.95
PFAL2420	24V DC 20A	+/-10%	25A	20A +/-7%	15A	150 x 115 x 96 : 1.15

Battery chargers from 36 Watts to 480 Watts.  
Inputs 115V or 230V 47~63Hz.  
Outputs of 12V, 24V & 36V DC.

Protection Class I with provision for earth.

Ambient temperature range -10 to +50 deg C.

Isolation voltage 3000V AC.



A comprehensive range of AC/DC battery chargers with inputs of 115V or 240V AC and outputs of either 12V or 24V DC. They are all short circuit, overload, over voltage and reverse battery protected. The efficiency per unit is 81% to 82%.

All units are fitted with an internal input fuse and they are suitable for jumper charging configuration. The A series have output signals that include low battery and faulty battery and the CBI 245A and CBI 2410A have mains or backup power output signals. The ALC series have no output signals. The rated input voltage range is 93~264V AC for all types.

Reference	Output voltage and current	Output adjuster	Boost charge	Trickle charge	Maximum charging current	Dimensions (mm) W x H x D
CB 123ALC	12V DC 3A	None	14.4V DC	13.75V DC	3A +/- 5%	45 x 100 x 100mm
CB 123A	12V DC 3A	20%~100%	14.4V DC	13.75V DC	3A +/- 5%	45 x 100 x 100mm
CB 126A	12V DC 6A	20%~100%	14.4V DC	13.75V DC	6A +/- 5%	45 x 100 x 100mm
CB 243ALC	24V DC 3A	None	28.8V DC	27.5V DC	3A +/- 5%	45 x 100 x 100mm
CB 243A	24V DC 3A	20%~100%	28.8V DC	27.5V DC	3A +/- 5%	45 x 100 x 100mm
CB 245A	24V DC 5A	20%~100%	28.8V DC	27.5V DC	5A +/- 5%	65 x 115 x 135mm
CB 2410A	24V DC 10A	20%~100%	28.8V DC	27.5V DC	10A +/- 5%	100 x 115 x 135mm
CB 2420A	24V DC 20A	20%~100%	28.8V DC	27.5V DC	20A +/- 5%	150 x 115 x 135mm
CB 363AV	36V DC 3A	20%~100%	43.2V DC	41.25V DC	3A +/- 5%	45 x 110 x 105mm

