

The diagram illustrates the installation of a PowerBoat 24 system in a vehicle. The system includes a battery bank (two 12.8V 100Ah LFP batteries), a 24V inverter, a 24V battery charger, and a 24V battery monitor. The battery bank is connected to the inverter and the battery charger. The inverter is connected to the vehicle's electrical system. The battery charger is connected to a 230 Vac power source. The battery monitor is connected to the battery bank and the vehicle's electrical system. The battery monitor displays the battery status on a digital display. The battery charger is connected to a 230 Vac power source. The battery monitor is connected to the battery bank and the vehicle's electrical system.



The image displays three PowerBoat products against a dark background. On the left is a black battery with a label that reads 'POWERBOAT High Power Marine Battery Deep Discharge Battery'. In the center is a white and black power supply unit with a blue digital display and various ports. On the right is a black USB charger with a cable attached.

START BOOSTER TECHNOLOGY

START BOOSTER

Portable power has never been more dependable, our 6V and 12V start boosters provide reliable power to motorcycles, cars, vans and classic cars. The latest and best battery technology provides the power to guarantee a hassle-free start, every time.

START TRUCK

These heavy duty boosters are equipped with dual battery technology providing both 12V and 24V power. Our specially designed batteries provide high peak amps to start even the heaviest of vehicles with the highest of compression diesel engines.

AGM BATTERY

Battery based boosters offer time-tested reliability, combining specifically designed batteries with honed assembly techniques and the highest quality of components creating a reliable and dependable product.

PRO-CAPACITOR

PROCAP boosters use the latest and most powerful capacitor technology to offer the highest peak amperages possible as well as an unlimited number of starts.

LITHIUM

Using the very latest in vented Lithium battery technology we are able to deliver a Professional Range of high performance lithium batteries able to start even the heaviest of duty vehicles. Where weight is an issue these Lithium boosters are your best bet.

HYBRID AGM

Hybrid boosters combine both the best AGM battery with the latest advances in capacitors providing high peak amps and longer cranking duration. These are highly professional units which are fit for the toughest jobs.

START BOOSTER PB BP 24-1600



This device can also be equipped with "motor clamps" on demand



LED CHARGE INDICATOR

The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

FORMFACTOR CASE

This form-factor case is highly portable and easily stored.



Model	AGM 12V		Volts		Peak Amps (A)		Starting Amps (A)		# Of Batteries		Location of Fuse		Fuse (A)		Dimensions (cm)		Cable Diameter (mm²)		Cable Length (cm)		Unit Weight (KG)		Charger Voltage (V)		Charger Amps (A)		Vehicle Types	
PB BP 24-1600	12V	1600A	450A	1	NA	NA	12x18x27	25	48	5.8	230	1.2																

START BOOSTER PB BP 15-2500 & PB BP 15-3100



ON/OFF SWITCH

This model is fitted with an easy to use on off switch for maximum safety.

REVERSE POLARITY ALARM

This audible and visual alert informs professionals of incorrect terminal connections.

LED CHARGE INDICATOR

The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)

AGM 12V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Dimenter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PB BP 15-2500	12V	2500A	850A	1	Clamp	500	27x18x38	25	135	9.7	230	2	
PB BP 15-3100	12V	3100A	1170A	1	Clamp	500	27x18x38	25	135	10	230	2	

START BOOSTER PB BP 23 3100



LED CHARGE INDICATOR

The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

ULTRA HIGH GRADE CABLES

Full copper woven cables are extremely durable and allow for very limited losses providing the highest starting power.

P27 CHARGING STATION

Easy to use charging station keeps the booster ready for action. Can also be used to charge external batteries

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)

AGM 12V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
P23-3100	12V	3100A	1170A	1	Clamp	500	33x15x31	25	84	10	230	2	

START BOOSTER PB BP 15500 & PB BP 13100



LED CHARGE INDICATOR

The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

ULTRA HIGH GRADE CABLES

Full copper woven cables are extremely durable and allow for very limited losses providing the highest starting power.

RIBBED ABS CHASSIS

Reinforced internal structure provides strength and durability making a dependable chassis.

AGM 12V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Dimenter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PB BP 12500	12V	2500A	850A	1	NA	NA	32x10x30	25	75	9.3	230	1.2	
PB BP 13100	12V	3100A	1170A	1	NA	NA	32x10x30	25	75	11.3	230	2	

CHARGE STATION PB BP 27 3800



BOOSTER CHARGE CONNECTOR

Place the booster in the station to start charging at the push of a button

P27 CHARGING STATION

Easy to use charging station keeps the booster ready for action. Can also be used to charge external batteries.

12V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
P27-Charger	12V	NA	NA	0	NA	NA	40x18x31	NA	NA	4	230	3.8	

START TRUCK

PB BP 2 ST 1224V22 & PB BP 2 ST 1224V25



DIGITAL VOLT METER

This display allows professionals to quickly see the voltage available and to test the alternator of a vehicle.

12-24V SWITCH

This easy to use switch allows the booster to be changed from 12 to 24V.

RIBBED ABS CHASSIS

Reinforced internal structure provides strength and durability making a dependable chassis.

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)

AGM

12/24V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PB BP2 ST 1224V22	12/24V	5000/2500	1700/850	2	Clamp	500	33x22x44	50	165	25	230	3	
PB BP2 ST 1224V25	12/24V	6200/3100	2340/1170	2	Clamp	500	33x22x44	50	165	25	230	3	

START TRUCK

PB BP 15 TR 1224V



DIGITAL VOLT METER

This display allows professionals to quickly see the voltage available and to test the alternator of a vehicle.

12-24V SWITCH

This easy to use switch allows the booster to be changed from 12 to 24V.

REVERSE POLARITY ALARM

This audible and visual alert informs professionals of incorrect terminal connections.

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)

AGM

12/24V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PB BP15 TR 1224V	12/24	6400/3200	2560/1280	2	Clamp	500	39x27x53	50	175	33	230	7	

PROCAP BOOSTER

PBBC4 1800



ULTRACAPS INSIDE

Using the latest in capacitor technology this booster can be recharged in seconds to provide unlimited starts.

LED CHARGE INDICATOR

The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

ON/OFF SWITCH

This model is fitted with an easy to use on off switch for maximum safety.

Our BATTERYLESS PROCAP range uses the highest quality and most powerful UltraCapacitor technology to produce an extremely powerful booster fit for the toughest starting applications. Their light weight and ultra fast recharge allow professionals to perform an unlimited number of daily starts.

CAP

12V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
C4-1800	12V	6000	1400	0	Clamp	500	35x13x32	25	175	6	230	3	

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)

PROCAP BOOSTER

PBBC15 3000



ON/OFF SWITCH

This model is fitted with an easy to use on off switch for maximum safety.

REVERSE POLARITY ALARM

This audible and visual alert informs professionals of incorrect terminal connections.

LED CHARGE INDICATOR

The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)

CAP

12V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
C15-3000	12V	9000	1800	0	Clamp	500	27x18x38	25	135	8.7	230	3	

PROCAP BOOSTER
PBBC1524V



ON/OFF SWITCH

This model is fitted with an easy to use on off switch for maximum safety.

REVERSE POLARITY ALARM

This audible and visual alert informs professionals of incorrect terminal connections.

LED CHARGE INDICATOR

The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)

Our BATTERYLESS PROCAP range uses the highest quality and most powerful UltraCapacitor technology to produce an extremely powerful booster fit for the toughest starting applications. Their light weight and ultra fast recharge allow professionals to perform an unlimited number of daily starts.

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PB BC15-24V	24V	8000	1950	0	Clamp	500	27x18x38	50	135	8.7	230	2	

PROCAP BOOSTER
PBBC15 TR1224V



DIGITAL VOLTMETER

This display allows professionals to quickly see the voltage available and to test the alternator of a vehicle.

12-24V SWITCH

These easy to use switch allows the booster to be changed from 12 to 24V.

REVERSE POLARITY ALARM

This audible and visual alert informs professionals of incorrect terminal connections.

Our BATTERYLESS PROCAP range uses the highest quality and most powerful UltraCapacitor technology to produce an extremely powerful booster fit for the toughest starting applications. Their light weight and ultra fast recharge allow professionals to perform an unlimited number of daily starts.

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PB BC15TR 1224V	12/24	18000/9000	4400/3400	0	Clamp	500	39x27x53	50	175	19	230	3	

PROCAP BOOSTER
PB BC C7-ST



REVERSE POLARITY ALARM

This audible and visual alert informs professionals of incorrect terminal connections.

DIGITAL VOLTMETER

This display allows professionals to quickly see the voltage available and to test the alternator of a vehicle.

12-24V SWITCH

These easy to use switch allows the booster to be changed from 12 to 24V.

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)

Our BATTERYLESS PROCAP range uses the highest quality and most powerful UltraCapacitor technology to produce an extremely powerful booster fit for the toughest starting applications. Their light weight and ultra fast recharge allow professionals to perform an unlimited number of daily starts.

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
C7-ST	12/24	18000/9000	4400/3400	0	Clamp	500	39x27x53	50	175	19	230	3	

HYBRID BOOSTER PBBH4600



ULTRACAPS INSIDE
Using the latest in capacitor technology this booster can be recharged in seconds to provide unlimited starts.

LED CHARGE INDICATOR
The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

ON/OFF SWITCH
This model is fitted with an easy to use on off switch for maximum safety.

The Hybrid is a combination of the highest quality starting batteries and the most powerful UltraCapacitors. Hybrids provide Ultra High starting current and extended cranking duration creating the perfect mix for professionals. These powerful boosters combine the best features of our technologies.

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)



Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PBBH4600	12V	2800	1200	1	Clamp	500	35x13x32	25	175	8.5	230	1.2	

HYBRID BOOSTER PBBH15600 & PBBH151500



ON/OFF SWITCH
This model is fitted with an easy to use on off switch for maximum safety.

REVERSE POLARITY ALARM
This audible and visual alert informs professionals of incorrect terminal connections.

LED CHARGE INDICATOR
The test button allows users to easily check the charge level of the booster and test the alternator of a vehicle.

The Hybrid is a combination of the highest quality starting batteries and the most powerful UltraCapacitors. Hybrids provide Ultra High starting current and extended cranking duration creating the perfect mix for professionals. These powerful boosters combine the best features of our technologies.

* part number for the safety fuse 500Ah is : PBBP0860 (55mm)



Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PBBH15-600	12V	3100A	1400A	1	Clamp	500	27x18x38	25	135	9.5	230	1.2	
PBBH15-1500	12V	8000A	1500A	1	Clamp	500	27x18x38	25	135	11.8	230	1.2	

SMART CHARGER AGM - GEL - WET - EFB

PBC 61211



6/12V

PBC 61238



6/12V

Model	Volts(V)	Charging Amps (A)	Voltage Selection	Min-Max Capacity (Ah) (Charging)	Min-Max Capacity (Ah) (Maintenance)	Dimensions (cm)	Cable Length (cm)	Unit Weight (KG)	IP Rating	Vehicle Types
PB C61211	6/12	1.1	Automatic	2.2-32	100	7x6x4.5	187	0.34	65	
PB C 61238	6/12	3.8	Automatic	1.2-75	120	7x6x4.5	187	0.46	65	

Accessories: Clamps, Eyelets, Cigar Plug

PB C 1224 70



12V/24V

PB C 1224 250



12V/24V

Model	Volts (V)	Charging Amps (A)	Voltage Selection	Min-Max Capacity (Ah) (Charging)	Min-Max Capacity (Ah) (Maintenance)	Dimensions (cm)	Cable Length (cm)	Unit Weight (KG)	IP Rating	Vehicle Types
PB C 1224 70	12/24	7.0/3.5	Automatic	14-75 (24V) 14-150 (12V)	225	21x8x5	187	0.73	65	
PB C 1224 250	12/24	25/12.5	Automatic	25-230 (24V) 50-450 (12V)	500	29x12x7	187	2.2	44	

Accessories: Clamps, Eyelets, Cigar Plug

Designed for onboard-charging
in Caravans & Motorhomes

DESIGNED &
MADE IN
GERMANY



8 different IUU characteristics can be selected, including:

- Lithium (LiFePO₄) 14,4V
- Lithium (LiFePO₄) 14,6V
- Pb (wet, flooded)
- GEL
- AGM (flat plate)
- AGM (spiral cells)
- and others on request

Temperature controlled charging for Lithium- and Lead-Batteries



ELECTRICAL SPECIFICATIONS | TECHNICAL DATA

Mains voltage	230V +/-10% (50-60Hz)
Mains current	1.8A @ 230V
Mains fuse	T 10 A 250V miniature fuse
Nominal Charge voltage	12V
Nominal Charge current	25A
Efficiency	93 %
Charge characteristics	Electronic reversible Reverse Polarity Protection
Output fuse	see table of charge characteristics
Cooling	Convection (no fan)
Temperature controlled charging (for all battery types)	temperature sensor included
Ambient temperature	0°C - 40°C
Safety type	IP20 according to DIN EN 60529
Safety classification	safety class I
Norms	EN 61000-6-3; EN 61000-6-2; EN 61000-3-3; EN61000-3-2; EN 61000-4-2; EN 61000-4-3; EN61000-4-4
Within scope of delivery	Manual
Housing dimensions	WxHxD: 150x65x160mm (without mounting lugs)
Colour	aluminium
Weight	2.0kg
Charge cable	2.0m / 2 x 4.0mm²
Vehicle Types	

JUMP STARTER PBJS 600A & PBJS 900A

Multi-functional Power bank
and Jump Starter
All in One!



This power pack can easily start every 12V vehicle with an extreme high 600 Amps (900 Amps) starting current. Other great advantages are the laptop charging, a USB connection for charging all your mobile devices and an emergency flashlight.

SPECS

- Capcity PB JS 600 A - 16 000 mAh; PB JS 900 A - 20 000 mAh
- Vehicle start function: PB JS 600 A up to peak current 600 A with clamps
PB JS 900 A up to peak current 900 A with clamps
- 230V charger and 12V cigarette lighter included
- Output for laptop charging 12V - 16V - 19V including 9 tips/connectors
- USB connection with 5V - 2,1 A output
- Weight 450 grams
- Cycle life: more than 1000 cycles
- USB cable with several connectors for charging all mobile devices



PORTABLE POWERSTATION

PB PS 500

PB PS 1000 & PB PS 1500



SPECIFICATIONS	PB PS 500	PB PS 1000	PB PS 1500
Rated power	500 W	1000 W	1500 W
Peak power	1000 W	2000 W	3000 W
Output voltage AC	2 x AC 230V/50Hz ±5% (pure Sinus)		
Output voltage DC	1x DC 12V/10A; 4x USB Quick Charge 3.0		
Battery type	Lithium-Iron		
Battery capacity	529 Wh (10.8V/49Ah)	1028 Wh (25,2V/40,8Ah)	1461 Wh (25,2V/58Ah)
Life cycle	1000 Cycle @ 70% DOD		
Charging by car and solar	DC 13V-30V/7A; Solar 18V (MAX)	Car 13V (with Adapter) DC 29,4V/9A; Solar 36V/20A (MAX)	
Charging voltage and current	AC 80V-260V, 16.8V/7A	AC 80V-260V, 29,4V/9A	
Protection	Over-voltage, low-voltage, over temperature, overload and AC short circuit protection		
Size LxWxH [mm]	206 x 149 x266	352 x 187 x 260	352 x 187 x 260
Weight [kg]	4,5	10,5	12,5
LED	3 x 1 W	-	-

1. AC pure sine wave output
2. Solar charging and car charging directly
3. Small size, light weight, easy to carry
4. Output port quantity:
2 x AC 230V/50Hz;
5. 2 x DC 12V/8A;
4 x USB QC 3.0



DC-12



AC output



LED light



USB

Accessories: PB PS 500



PB PS 1000 & PB PS 1500



BATTERY DISPLAY PB CLI 12V



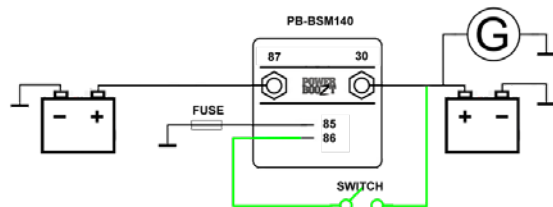
Battery status and battery voltage meter in one. This compact meter is equipped with a bright LED indicator and shows the battery status at a glance. It is easy to install and perfect for permanent mounting. On the front there is a small push-button which makes it easy to switch the PB CLI on and off.

- Suitable for almost all types of lead-acid batteries.
- 2 wire connection: + and - wire to the battery set to be measured
- Dimensions (WxHxD): 47 x 28 x 22 mm
- Weight: 15 gram

MOTION DETECT PB-BSM 140



Due to the smart dynamo (Euro6 Euro7) with many modern vehicles it is no longer possible to read from the battery voltage whether a vehicle is .on'. Also, the smart dynamo is usually no longer equipped with a D+ (engine running signal). The PowerBoost PB-BSM140 is equipped with a sensor that can detect vibrations and thus simulate an engine running signal. The PowerBoost PB-BSM 140 is a high power mechanical switch with integrated vibration detection that can be used in situations where 2 batteries are present, for example in trucks, caravans and motorhomes. Because the vibration frequency and amplitude can differ per vehicle, the sensitivity of the PB-BSM140 can be adjusted. The time that the relay should remain switched on after detection of the last vibration can also be set up to 60 seconds



DC-DC CONVERTER PB MDCi

PowerBoost PB-MDCi galvanic isolated DC-DC converters

The PowerBoost PB-MDCi DC-DC converters are used, depending on the model, either to step up or to step down a DC voltage. The MDCi range converters are electrically isolated.



Features and Performances:

- High efficiency
- Low consumption
- Protection against short-circuit, overheating overvoltage and reverse polarity
- Great stability of the output voltage for a more reliable system
- Galvanic isolation

DC-DC converter, Switch Mode Galvanic;			
PB-MDCI 100-A12	In: 9-18VDC	Out: 12,5VDC/100W	
PB-MDCI 100-B12	In: 20-35VDC	Out: 12,5VDC/100W	
PB-MDCI 100-C12	In: 30-60VDC	Out: 12,5VDC/100W	
PB-MDCI 100-D12	In: 60-120VDC	Out: 12,5VDC/100W	
PB-MDCI 100-A24	In: 9-18VDC	Out: 24VDC/100W	
PB-MDCI 100-B24	In: 20-35VDC	Out: 24VDC/100W	
PB-MDCI 100-C24	In: 30-60VDC	Out: 24VDC/100W	
PB-MDCI 100-D24	In: 60-120VDC	Out: 24VDC/100W	
PB-MDCI 200-A12	In: 9-18VDC	Out: 12,5VDC/200W	
PB-MDCI 200-B12	In: 20-35VDC	Out: 12,5VDC/200W	
PB-MDCI 200-C12	In: 30-60VDC	Out: 12,5VDC/200W	
PB-MDCI 200-D12	In: 60-120VDC	Out: 12,5VDC/200W	
PB-MDCI 200-A24	In: 9-18VDC	Out: 24VDC/200W	
PB-MDCI 200-B24	In: 20-35VDC	Out: 24VDC/200W	
PB-MDCI 200-C24	In: 30-60VDC	Out: 24VDC/200W	
PB-MDCI 200-D24	In: 60-120VDC	Out: 24VDC/200W	
PB-MDCI 360-A12	In: 9-18VDC	Out: 12,5VDC/360W	
PB-MDCI 360-B12	In: 20-35VDC	Out: 12,5VDC/360W	
PB-MDCI 360-C12	In: 30-60VDC	Out: 12,5VDC/360W	
PB-MDCI 360-D12	In: 60-120VDC	Out: 12,5VDC/360W	
PB-MDCI 360-A24	In: 9-18VDC	Out: 24VDC/360W	
PB-MDCI 360-B24	In: 20-35VDC	Out: 24VDC/360W	
PB-MDCI 360-C24	In: 30-60VDC	Out: 24VDC/360W	
PB-MDCI 360-D24	In: 60-120VDC	Out: 24VDC/360W	

M 360 A24
chargeconverter
DC-DC chargeconverter
Switch Mode Galvanic Charger;
In: 9-18VDC Out: 27,6VDC

BATTERY PROTECT

PB MBR 12/24

The PowerBoost PB-MBR battery separators are microprocessor controlled. They first charge the main battery, from a charger or an alternator, then the other batteries by connecting them in parallel.



Features and performances

- Insignificant voltage drop
- Protects the auxiliary battery from any overvoltage

Models:

PB-MBR12/24-100	Battery Separator 100A Universal 12/24VDC (Microprocessor Combining Relais)
PB-MBR12/24-160	Battery Separator 160A Universal 12/24VDC (Microprocessor Combining Relais)
PB-MBR12/24-500	Battery Separator 500A Universal 12/24VDC (Microprocessor Combining Relais)

PB MBW

The PowerBoost PB-MBW is a vital part for a mobile installation. It increases the battery life. It has low voltage, high voltage and overload protection. Low voltage detection can easily be adjusted by a rotation switch. This way any type of (lead acid) battery can be protected against deep charge. The over voltage protection protects your costly devices against to high voltages.

Features and performances

- Programming of the connection and disconnection voltages by jumpers
- MOSFET switches, therefore no sparks
- Alarm output to indicate excessive voltage drops

	Transfer current Imax [A]	Peak current [Amp]	Operating voltage range [Vdc]
PB-MBW 40	40 A	120	6 - 35
PB-MBW 60	60 A	120	6 - 35
PB-MBW 200	200 A	480	8-32

DC-DC CHARGER PB TRC-M

Blue Motion charger PowerBoost PB Trc-M series

The new generation of energy-efficient EURO5/6 vehicles are often equipped with a "low voltage" alternator. It is not possible to successfully charge a second battery in these so-called "Blue Motion" vehicles due to their standard isolation relay. To do so the PB-Trc M1212/50 "EURO 5/6 charger" is suitable, which charges with the correct high charging voltage of 14.4V with max. 50A!



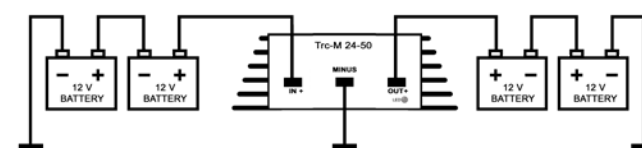
DC-DC converter Motion Controlled Switch Mode

There are currently 3 versions as standard with choice of Ignition Controlled (IC) or Motion (M) controlled control (ON/OFF control), other versions on request.

1. PB-Trc M 1212-50 => IN: 10-18Vdc OUT: 14.4V / 50A
[200210; undervoltage protection input, overvoltage protection input] [output adjustable with potentiometer: 13.2V to 15.7V]
2. PB-Trc M 1224-25 => IN: 10-18Vdc OUT: 28.8V / 25A
[200211; undervoltage protection input, overvoltage protection input] [output adjustable with potentiometer: 24.2V to 29.8V]
3. PB-Trc M 2424-50 => IN: 20-35Vdc OUT: 14.4V / 50A
[200212; undervoltage protection input, overvoltage protection input] [output adjustable with potentiometer: 24.2V to 29.8V]

With signal/contact wire control / IGNITION CONTROL (IC)
if ignition is on and/or engine is on,
Charger=> ON, if engine is off and ignition is off, Charger=>OFF.

With Motion Controlled (M) drive.
if motor is running / on, it gives a slight vibration which activates the built-in vibration sensor and switches on the charger;
Charger=> ON, when engine is off Charger=>OFF.



	IN (VDC)	OUT (VDC)	Amps [A]	Dimensions (mm)	Unit Weight (kg)	FUSE [A]
Trc-M 24-24 50A	20-35	28,8	50	64x335x163	2,3	50
Trc-M 12-12 50A	10-17	14,4	50	64x335x163	2,3	50
Trc-M 12-24 25A	10-17	28,8	25	64x335x163	2,3	25