



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

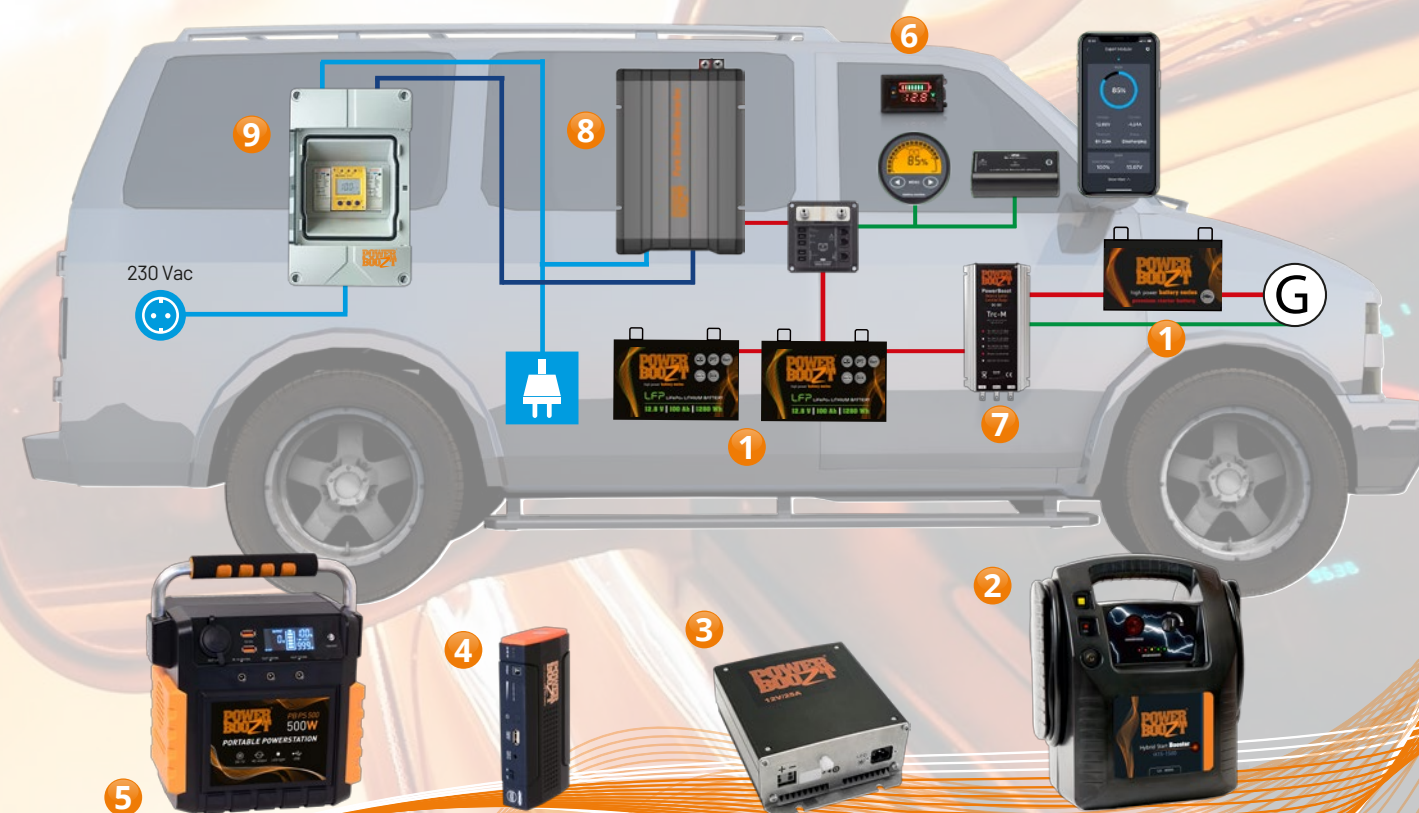
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POWERBOOZT is your energy solution

- » **POWERBOOZT**, the house brand of the europeanwide acting company group around A.Müller GmbH and De Hoeve Multipower B.V., besides other premium brands.
- » **POWERBOOZT** products guarantee reliability for a fair price for the right application, following the specifications requested by our professional customers.
- » **POWERBOOZT** is a concept that starts with the battery, moving to related products such as boosters, chargers, testers, inverters, mobility systems, etc...
- » You take care of the socket 230V – **POWERBOOZT** takes care of the rest

Let **POWERBOOZT** be your partner to *Boozt your system.*



POWERBOOZT BATTERIES



POWERBOOZT 12V BATTERY

POWERBOOZT.AGM.START-STOP.BATTERY

AGM	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.560.901	AGM56219	60 Ah	680 A	H5/L2	+R	B13	AUT	242*175*190	17,5 kg	57
PB.570.901	AGM57412	70 Ah	760 A	H6/L3	+R	B13	AUT	278*175*190	20,3 kg	48
PB.580.901	AGM58042	80 Ah	800 A	H7/L4	+R	B13	AUT	315*175*190	22,9 kg	36
PB.595.901	AGM60038	95 Ah	850 A	H8/L5	+R	B13	AUT	353*175*190	26,1 kg	36
PB.605.901		105 Ah	950 A	H9	+R	B13	AUT	393*175*190	28,5 kg	36

POWERBOOZT. EFB.START-STOP.

EFB	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.560.500		60 Ah	640 A	H5/L2	+R	B13	AUT	242*175*190	16,1 kg	60
PB.565.500		65 Ah	650 A	T6/LB3	+R	B13	AUT	278*175*175	18,6 kg	48
PB.570.500		70 Ah	760 A	H6/L3	+R	B13	AUT	278*175*190	19,1 kg	48
PB.575.500		75 Ah	730 A	T7/LB4	+R	B13	AUT	315*175*175	21,2 kg	48
PB.580.500		80 Ah	800 A	H7/L4	+R	B13	AUT	315*175*190	21,8 kg	42

POWERBOOZT. PREMIUM.STARTER.BATTERY

PREMIUM	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.535.117	53587	35 Ah	300 A	B19LS	+RJIS	B01	JIS	187*127*227	9,6kg	84
PB.535.118	53520	35 Ah	300 A	B19LS	+RJIS	B00	JIS	187*127*227	9,6kg	84
PB.535.119	53522	35 Ah	300 A	B19R	+LJIS	B00	JIS	187*127*227	9,6kg	84
PB.542.400	54018	40 Ah	340 A	H3/L0	+R	B13	AUT	175*175*190	9,9kg	72
PB.544.402	54465	44 Ah	440 A	T4/LB1	+R	B13	AUT	207*175*175	11,2kg	72
PB.545.106	54577	45 Ah	300 A	E2	+R	B01	AUT	219*135*225	11,3kg	78
PB.545.107	54579	45 Ah	300 A	E2R	+L	B01	AUT	219*135*225	11,3kg	78
PB.545.155	54584	45 Ah	330 A	B24LS	+RJIS	B00	JIS	238*129*227	11,7kg	72
PB.545.156	54523	45 Ah	330 A	B24L	+R	B00	AUT	238*129*227	11,7kg	72
PB.545.157	54551	45 Ah	330 A	B24RS	+LJIS	B00	JIS	238*129*227	11,7kg	72
PB.545.158	54524	45 Ah	330 A	B24RS	+L	B00	AUT	238*129*227	11,7kg	72
PB.545.412	54459	45 Ah	400 A	H4/L1	+R	B13	AUT	207*175*190	11,3kg	72
PB.552.400	55054	52 Ah	470 A	H4/L1	+R	B13	AUT	207*175*190	12,4kg	72
PB.560.127	56221	60 Ah	540 A	H5R/L2	+L	B13	AUT	242*175*190	14,3kg	63
PB.560.408	56219	60 Ah	540 A	H5/L2	+R	B13	AUT	242*175*190	13,9kg	63
PB.560.409	56077	60 Ah	540 A	T5/LB2	+R	B13	AUT	242*175*175	13,9kg	63
PB.560.412	56068	60 Ah	510 A	D23L	+R	B00	AUT	232*173*225	14,5kg	54
PB.560.413	56069	60 Ah	510 A	D23R	+L	B00	AUT	232*173*225	14,5kg	54
PB.568.404	57029	68 Ah	550 A	D26L	+R	B01	AUT	261*175*220	17,0kg	48
PB.568.405	57024	68 Ah	550 A	D26R	+L	B01	AUT	261*175*220	17,0kg	48
PB.570.010	57010	70 Ah	660 A		+L	B01	USA			
PB.570.144	56822	70 Ah	640 A	T6/LB3	+R	B13	AUT	278*175*175	15,8kg	48
PB.574.104	57412	74 Ah	680 A	H6/L3	+R	B13	AUT	278*175*190	16,2kg	48
PB.580.400		80Ah	740A	H7/L4	+R	B13	AUT	315*175*190	18,3kg	42
PB.580.406	58035	80Ah	740A	T7/LB4	+R	B13	AUT	315*175*175	18,3kg	42
PB.590.122	58827	90 Ah	720 A	H8/L5	+R	B13	AUT	353*175*190	20,8kg	36
PB.595.404	60032	95 Ah	830 A	D31L	+R	B01	AUT	306*173*225	21,4kg	39
PB.595.405	60033	95 Ah	830 A	D31R	+L	B01	AUT	306*173*225	21,4kg	39
PB.600.402	60038	100 Ah	830 A	H8/L5	+R	B13	AUT	353*175*190	21,3kg	36
PB.610.402	61042	110 Ah	920 A	H9	+R	B13	AUT	393*175*190	24,5kg	36

POWERBOOZT. HOBBY

PREMIUM	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.954.006	95406	52 Ah	470 A	H4/L1	+R	B13	AUT	207*175*190	12,4 kg	72
PB.955.002	95502	60 Ah	540 A	H5/L2	+R	B13	AUT	242*175*190	13,9 kg	63
PB.956.002	95602	75 Ah	680 A	H6/L3	+R	B13	AUT	278*175*190	16,2 kg	48
PB.957.051	95751	95 Ah	830 A	H8/L5	+R	B13	AUT	305*175*190	21,3 kg	36

POWERBOOZT. SEMI-TRACTION

semi-traction	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.GR24.080		80 Ah	610 A	GR24		B01	AUT/MAR	257*172*220	18 kg	36
PB.GR27.090		90 Ah	700 A	GR27		B01	AUT/MAR	302*172*220	21 kg	36
PB.GR31.105		105 Ah	810 A	GR31		B00	AUT/MAR	330*172*242	23,5 kg	36
PB.620.102		120 Ah	1000 A	GR31	+C	B00	AUT	330*171*242	33,6kg	36
PB.960.051		140 Ah	800 A	A	+L	B00	AUT	513*189*223	36,6 kg	24
PB.963.051	96351	180 Ah	1000 A	B	+L	B00	AUT	513*223*223	45,1kg	21
PB.968.001	96801	230Ah	1150 A	C	+L	B00	AUT	518*276*242	56,8kg	12

POWERBOOZT. EFB.SEMI-TRACTION

EFB	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.955.EFB		60 Ah	640 A	H5/L2	+R	B13	AUT	242*175*190	16,1 kg	60
PB.956.EFB		70 Ah	760 A	H6/L3	+R	B13	AUT	278*175*190	19,1 kg	48
PB.963.EFB	96351	190 Ah	1050 A	B	+L	B00	AUT	513*223*223	46,2 kg	21
PB.968.EFB	96801	240 Ah	1200 A	C	+L	B00	AUT	518*276*242	58 kg	12

POWERBOOZT. AGM.SEMI-TRACTION

AGM	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.955.AGM		60 Ah	680 A	H5/L2	+R	B13	AUT	242*175*190	17,5 kg	57
PB.956.AGM		70 Ah	760 A	H6/L3	+R	B13	AUT	278*175*190	20,3 kg	48
PB.957.AGM		95 Ah	850 A	H8/L5	+R	B13	AUT	353*175*190	26,1 kg	36

POWERBOOZT.HEAVY.DUTY.BATTERY.PLUGS

HD with plugs	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.620.045	62034	120 Ah	680 A	A	+L	B00	AUT	513*189*223	33,6 kg	24
PB.635.052		135 Ah	1000 A	MAC	+L	B03	AUT	514*175*210	35,5 kg	27
PB.640.035		140 Ah	760 A	A	+L	B00	AUT	513*189*223	36 kg	24
PB.655.013	64317	155 Ah	900 A	B	+L	B00	AUT	513*223*223	41 kg	21
PB.680.032	68022	180 Ah	1000 A	B	+L	B00	AUT	513*223*223	43,9 kg	21
PB.700.038	70027	200 Ah	1050 A	C	+L	B00	AUT	513*276*242	53,6 kg	12
PB.725.012	72512	225 Ah	1150 A	C	+L	B00	AUT	513*276*242	56,3 kg	12

POWERBOOZT.HEAVY.DUTY.BATTERY

HD with plugs	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.625.012	62512	125 Ah	720 A	WOR	+R	B00	AUT	349*175*290	31,2 kg	24

POWERBOOZT.SUPER.HEAVY.DUTY.BATTERY

SHD	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.640.103	64020	140 Ah	800 A	A	+L	B00	AUT	513*189*223	36,6 kg	24
PB.670.103		170 Ah	1000 A	B	+L	B00	AUT	513*223*223	43,9 kg	21
PB.680.011	68011	180 Ah	1400 A	B	+L	B00	AUT	513*223*223	46,4 kg	21
PB.680.108		180 Ah	1000 A	B	+L	B00	AUT	513*223*223	46,2 kg	21
PB.725.103		230 Ah	1150 A	C	+L	B00	AUT	518*276*242	56,0 kg	12

POWERBOOZT.SUPER.HEAVY.DUTY.EFB.BATTERY

EFB	DIN	cap.-C20	CCA	Case	Layout	Base	Terminal	L x W x H [mm]	Weight	#-pallet
PB.690.500		190 Ah	1050 A	B	+L	B00	AUT	513*223*223	46,2 kg	21
PB.740.500		240 Ah	1200 A	C	+L	B00	AUT	518*276*242	58,0 kg	12

- Patented corrosion resistant positive grid for reliable starting power
- Fast charging and long service life
- Meets original equipment requirements as a matching spare part
- Maintenance-free
- High starting power
- Manufactured in the EU to German design
- Fully recyclable



LITHIUM BATTERIES



high power **battery series**

LFP LiFePO₄ LITHIUM BATTERY



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PB-Li 12-50

PB-Li 12-90

PB-Li 12-100 D

PB-Li 12-200



Use in universal applications

SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	48 Ah
Energy	614 Wh
Max. cont. Discharge Current	50 A
Peak Discharge Current	160 A (> 2 s)
Discharge Temperature	-20 - +60°C
Charge Temperature	0 - +45 °C
Dimensions (LxWxH)	197 x 166 x 176 mm
Weight	7,5 kg
Terminal Type	M8
Cell Type / Chemistry	Cylindrical/LiFePO ₄
Recomm. Charge Current	25 A
Max. Charge Current	50 A
Recomm. Charge Voltage	14,4 V (± 0,1 V)
Certificates	CE; UN38.3; UL1642 & IEC2133
Cycle Live	>2000

COMMUNICATION

Bluetooth 4.0 with App Android/iOS



Use in: VW T5 & T6 and others

SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	90 Ah
Energy	1152 Wh
Max. cont. Discharge Current	90 A
Peak Discharge Current	120 A (15 s)
Discharge Temperature	-20 - +60°C
Charge Temperature	0 - +45 °C
Dimensions (LxWxH)	318 x 175 x 190 mm
Weight	11,8 kg
Terminal Type	Automotive Post
Cell Type / Chemistry	Cylindrical/LiFePO ₄
Recomm. Charge Current	20 A
Max. Charge Current	100 A
Recomm. Charge Voltage	14,4 V (± 0,1 V)
Certificates	CE; UN38.3; UL1642 & IEC2133
Cycle Live	>2000

COMMUNICATION

Bluetooth 4.0 with App Android/iOS



Use in: Ducato, Boxer, Jumper and others

SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	100 Ah
Energy	1280 Wh
Max. cont. Discharge Current	100 A
Peak Discharge Current	150 A (15 s)
Discharge Temperature	-20 - +60°C
Charge Temperature	0 - +45 °C
Dimensions (LxWxH)	353 x 175 x 190 mm
Weight	12 kg
Terminal Type	Automotive Post
Cell Type / Chemistry	Cylindrical/LiFePO ₄
Recomm. Charge Current	50 A
Max. Charge Current	100 A
Recomm. Charge Voltage	14,4 V (± 0,1 V)
Certificates	CE; UN38.3; UL1642 & IEC2133
Cycle Live	>2000

COMMUNICATION

Bluetooth 4.0 with App Android/iOS



Use in: Underseat Ducato, Boxer, Jumper and others

SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	200 Ah
Energy	2560 Wh
Max. cont. Discharge Current	200 A
Peak Discharge Current	350 A (> 3 s)
Discharge Temperature	-20 - +60°C
Charge Temperature	0 - +45 °C
Dimensions (LxWxH)	320 x 332(360) x 190 mm
Weight	30 kg
Terminal Type	M8
Cell Type / Chemistry	Prismatic/LiFePO ₄
Recomm. Charge Current	100 A
Max. Charge Current	200 A
Recomm. Charge Voltage	14,6 V (± 0,1 V)
Certificates	CE; UN38.3; UL1642 & IEC2133
Cycle Live	>2000

COMMUNICATION

Bluetooth 4.0 with App Android/iOS

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.







+

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AGM

12V

Model	Volts	Peak Amps (A)	Starting Amps (A)	# Of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm ²)	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PBBP 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.

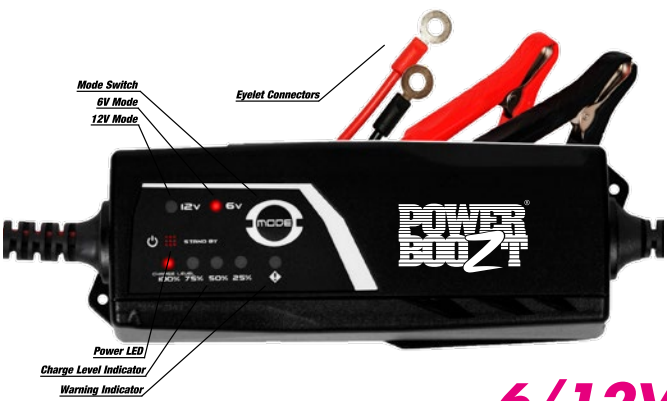
* part number for the safety fuse 500Ah is : PBBP0860 (55mm)



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

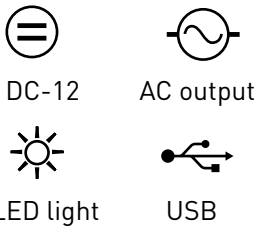
PB PS 500

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



Accessories: PB PS 500



PB PS 1000 & PB PS 1500



BATTERY DISPLAY PB CLI 12V



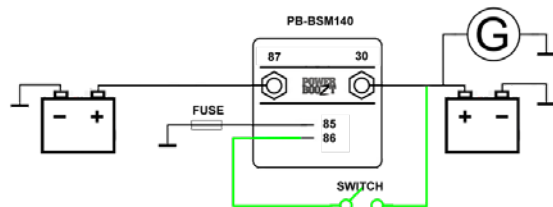
Battery status and battery voltage meter in one. This compact meter is equipped with a bright LED indicator and shows the battery status at a glance. It is easy to install and perfect for permanent mounting. On the front there is a small push-button which makes it easy to switch the PB CLI on and off.

- 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!



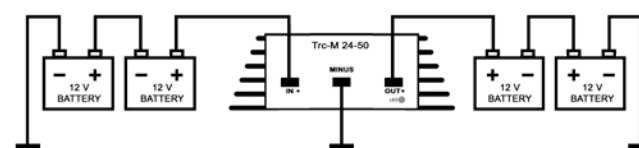
DC-DC converter Motion Controlled Switch Mode

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

PURE SINE WAVE INVERTER

PB RHINO

POWER

BOOZT



The PowerBoozt Rhino-L Pure Sine Wave inverters are available from 300 Watt to 4000 Watt and with an input voltage of 12Vdc , 24 Vdc and even 48 Vdc.

All models from 600 Watts feature a bright blue LCD which displays battery status, battery voltage and power. The device is equipped with several protection functions at both input and output. Users are alerted by an acoustic signal when the inverter detects a possible failure. For example, when the battery voltage is getting too low or the temperature in the inverter exceeds a certain value. In case of serious errors the inverter switches off immediately. Depending on the power demanded, any 230 VAC consumer can be connected.

The inverter is constantly generating a pure sine wave which means that devices such as coffee machines and microwaves will operate without any problems. An additional benefit is the easy operation of chargers for electric bicycles and electric tools which will not suffer any damage through repeated usage.

This makes the inverter ideally suited for semi-professional applications.

The pure sine wave inverters of the Rhino series are characterized by an excellent price-performance ratio and the recognizable and ergonomic housing.

Powerboozt Rhino-L with Bypass

In situations where shore power or an inverter is an option, the PowerBoozt Rhino with Bypass is a solution. It replaces a 230Vac switch box and automatically chooses Shorepower as soon as it is detected. If the connection to shore power is lost, it quickly switches back to the inverter. The inverter is then used as a UPS or power backup system.

The preference is set via the selection button: In UPS mode, the PowerBoozt Rhino prefers shore power over the power generated by the inverter. In ECO mode, the PowerBoozt Rhino prefers the power generated by the inverter over the shore power.

Manual switching of plugs is therefore not necessary as the PowerBoozt Rhino operates automatically.

A remote-control port on the front panel allows connection to an optional remote control unit.

RRC80 standard remote control

RRC80W standard wireless remote control



remote-control: **RRC80**



remote-control: **RRC80W**



remote-control: **RRC90D**

PB-RHINO

		TYP	Vdc	Pnom	Sinus	Peak	L*W*H [mm]	Weight	Display
		PB-RHINO-300-12	12 Vdc	300W	Pure Sine Wave	600W	210*106*70	2 kg	NO
NO LCD	12Vdc	PB-RHINO-600-12	12Vdc	600W	Pure Sine Wave	1200W	280*168*96	2 kg	NO
		PB-RHINO-1000-12	12 Vdc	1000W	Pure Sine Wave	2000W	341*168*96	3 kg	NO
		PB-RHINO-1500-12	12 Vdc	1500W	Pure Sine Wave	3000W	335*252*101	4,8 kg	NO
		PB-RHINO-2000-12	12 Vdc	2000W	Pure Sine Wave	4000W	335*252*101	5 kg	NO
		PB-RHINO-2500-12	12 Vdc	2500W	Pure Sine Wave	5000W	480*252*101	6,8 kg	NO
		PB-RHINO-3000-12	12 Vdc	3000W	Pure Sine Wave	6000W	480*252*101	7,5 kg	NO
		PB-RHINO-4000-12	12 Vdc	4000W	Pure Sine Wave	8000W	570*252*103	8,9 kg	NO
		PB-RHINO-300-24	24 Vdc	300W	Pure Sine Wave	600W	210*106*70	2 kg	NO
	24Vdc	PB-RHINO-600-24	24 Vdc	600W	Pure Sine Wave	1200W	280*168*96	2 kg	NO
		PB-RHINO-1000-24	24 Vdc	1000W	Pure Sine Wave	2000W	341*168*96	3 kg	NO
		PB-RHINO-1500-24	24 Vdc	1500W	Pure Sine Wave	3000W	335*252*101	4,8 kg	NO
		PB-RHINO-2000-24	24 Vdc	2000W	Pure Sine Wave	4000W	335*252*101	5 kg	NO
		PB-RHINO-2500-24	24 Vdc	2500W	Pure Sine Wave	5000W	480*252*101	6,8 kg	NO
		PB-RHINO-3000-24	24 Vdc	3000W	Pure Sine Wave	6000W	480*252*101	7,5 kg	NO
		PB-RHINO-4000-24	24 Vdc	4000W	Pure Sine Wave	8000W	570*252*103	8,9 kg	NO

With LCD	12Vdc	PB-RHINO-600-12-L	12Vdc	600W	Pure.Sine.Wave	1200W	280*168*96	2kg	LCD
		PB-RHINO-1000-12-L	12Vdc	1000W	Pure.Sine.Wave	2000W	341*168*96	3kg	LCD
		PN-RHINO-1500-12-L	12Vdc	1500W	Pure.Sine.Wave	3000W	335*252*101	4,8kg	LCD
		PB-RHINO-2000-12-L	12Vdc	2000W	Pure.Sine.Wave	4000W	335*252*101	5kg	LCD
		PB-RHINO-2500-12-L	12Vdc	2500W	Pure.Sine.Wave	5000W	480*252*101	6,8kg	LCD
		PB-RHINO-3000-12-L	12Vdc	3000W	Pure.Sine.Wave	6000W	480*252*101	7,5kg	LCD
		PB-RHINO-4000-12-L	12Vdc	4000W	Pure.Sine.Wave	8000W	570*252*103	8,9kg	LCD
	24Vdc	PB-RHINO-600-24-L	24Vdc	600W	Pure.Sine.Wave	1200W	280*168*96	2Kg	LCD
		PB-RHINO-1000-24-L	24Vdc	1000W	Pure.Sine.Wave	2000W	341*168*96	3kg	LCD
		PB-RHINO-1500-24-L	24Vdc	1500W	Pure.Sine.Wave	3000W	335*252*101	4,8kg	LCD
		PB-RHINO-2000-24-L	24Vdc	2000W	Pure.Sine.Wave	4000W	335*252*101	5kg	LCD
		PB-RHINO-2500-24-L	24Vdc	2500W	Pure.Sine.Wave	5000W	480*252*101	6,8kg	LCD
		PB-RHINO-3000-24-L	24Vdc	3000W	Pure.Sine.Wave	6000W	480*252*101	7,5kg	LCD
		PB-RHINO-4000-24-L	24Vdc	4000W	Pure.Sine.Wave	8000W	570*252*103	8,9kg	LCD
	48Vdc	PB-RHINO-600-48-L	48Vdc	600W	Pure.Sine.Wave	1200W	280*168*96	2kg	LCD
		PB-RHINO-1000-48-L	48Vdc	1000W	Pure.Sine.Wave	2000W	341*168*96	3kg	LCD
		PB-RHINO-1500-48-L	48Vdc	1500W	Pure.Sine.Wave	3000W	355*252*101	4,8kg	LCD
		PB-RHINO-2000-48-L	48Vdc	2000W	Pure.Sine.Wave	4000W	355*252*101	5kg	LCD
		PB-RHINO-2500-48-L	48Vdc	2500W	Pure.Sine.Wave	5000W	480*252*101	6,8kg	LCD
		PB-RHINO-3000-48-L	48Vdc	3000W	Pure.Sine.Wave	6000W	480*252*101	7,5kg	LCD
		PB-RHINO-4000-48-L	48Vdc	4000W	Pure.Sine.Wave	8000W	570*252*103	8,9kg	LCD

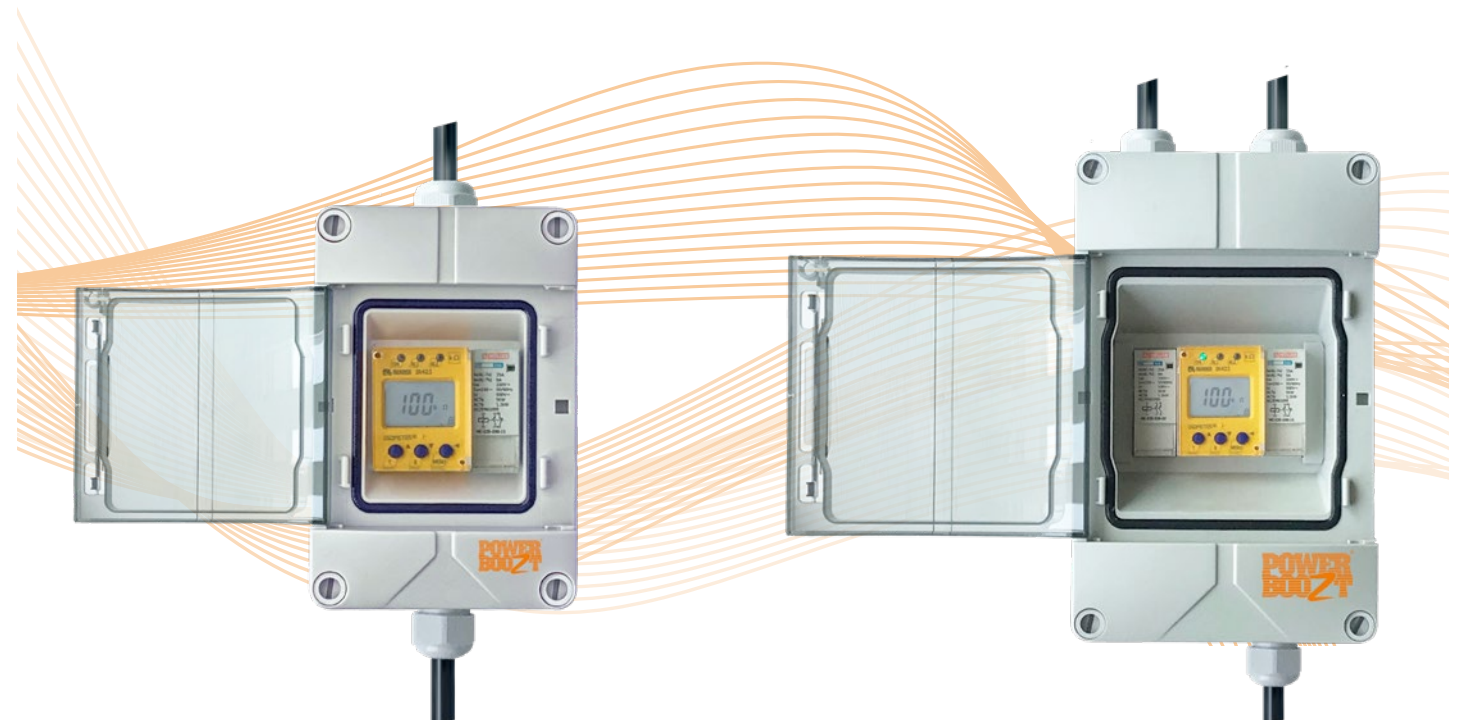
With By-Pass	12Vdc	PB-RHINO-1500-12-LB	12Vdc	1500W	Pure.Sine.Wave	3000W	335*252*101	4,8kg	LCD-BYP
		PB-RHINO-2000-12-LB	12Vdc	2000W	Pure.Sine.Wave	4000W	480*252*101	5kg	LCD-BYP
		PB-RHINO-2500-12-LB	12Vdc	2500W	Pure.Sine.Wave	5000W	480*252*101	6,8kg	LCD-BYP
		PB-RHINO-3000-12-LB	12Vdc	3000W	Pure.Sine.Wave	6000W	570*252*103	7,5kg	LCD-BYP

Remotes

RRC80	Remote.control.LED.-.compatible.with.all.RHINO.inverters 12Vdc and 24 Vdc
RRC80L	Remote.control.with.LCD.display.-.only.compatible.with.RHINO.without.LCD 12Vdc and 24 Vdc
RRC80W	Remote.control.wireless.-.compatible.with.all.RHINO.inverters 12Vdc and 24 Vdc
RRC90D	Panel Mounting Remote.control.with.LCD.display.-.only.compatible.with.RHINO.without.LCD 12Vdc and 24 Vdc

PB IBW 230 25(c)

INSULATION MONITORING



PB-IBW 230-25 PB-IBW 230-25C

230 Volt power in vehicles and mobile workshops is a common power rating these days. The generator or inverter in the vehicle supplies the required 230 AC voltage so that the connected equipment and / or tools operate as if there connected to the 230 Volt network. However, many users underestimate the need for safety: a circuit breaker is mandatory in houses and buildings – in case of an earth fault or accidental contact, the earth leakage circuit breaker switches off the 230 Volt power to prevent injury or worse occurrence.

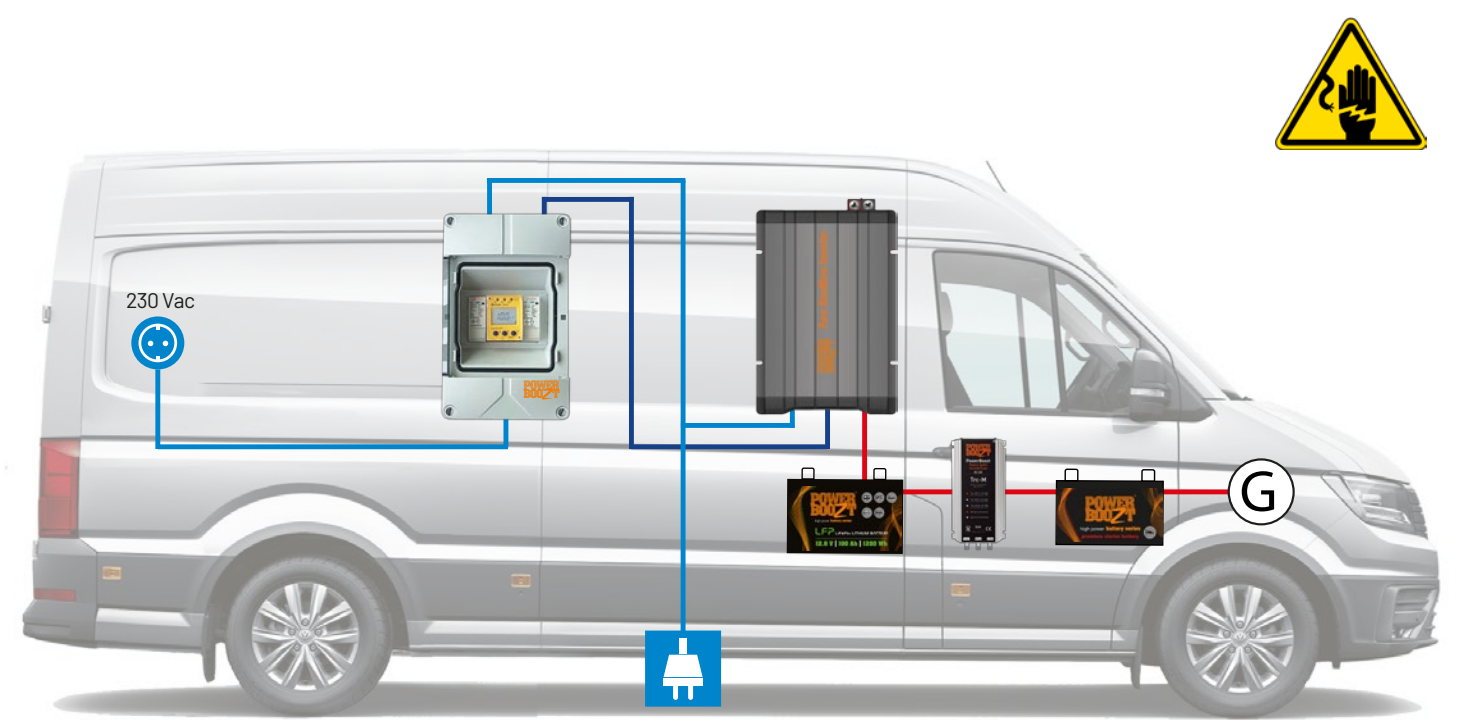
However, in a mobile application, an earth leakage circuit breaker isn't a reliable safety mechanism due to the contact of the vehicle tyres with the ground which renders a circuit breaker useless. Once AC power generated in the vehicle is transported outside the vehicle there is the potential for a life-threatening incident due to the risk of electrocution. Double-insulated tools provide no protection in these situations.

Avoid liability and protect yourself and fellow users against these risks. As an employer you are responsible and must be aware of the users who might use the 230VAC in their vehicle and are unaware of the dangers.



PB IBW 230 25(c)

INSULATION MONITORING



The solution is simple: With the IBW 230-25 behind the inverter, you can work safely under all circumstances and the user is protected against the dangers of an earth fault, contact and / or electrocution. The IBW 230-25c has been specially developed for combi inverters. Both models meet the most stringent requirements and offer 100% security under all circumstances.

Both models meet the highest safety requirements and offer 100% protection.



TYPE	Current	Capacity	switching current	Frequency	Weight	Housing	Measurements	IP classification
PB-IBW 230-25	230 Vac	5750 Watts	25 Ampère	50-60 Hz	1,75 kg	Ake 03	100x150x96 mm	IP65
PB-IBW 230-25c	230 Vac	5750 Watts	25 Ampèree	50-60 Hz	2,05 kg	Ake 05	125x200x122mm	IP65

The IBW 230-25C is specially designed for combination with (charging) inverters.

Standards:
 NEN1010-7-717, IEC 60364-7-717, DIN VDE 0100-717 (2005) Electrical installations in mobile or transportable units
 Meets the requirements of the device standards:
 DIN EN 61557-8 (VDE 0413-8), EN 61557-8, IEC 61557-8, IEC 61326-2-4, DIN EN 60664-1 (VDE 0110-1), DIN EN 60664-3 (VDE 0110-3), ASTM F1669M-96 (2007), ASTM F1207M-96 (2007)



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