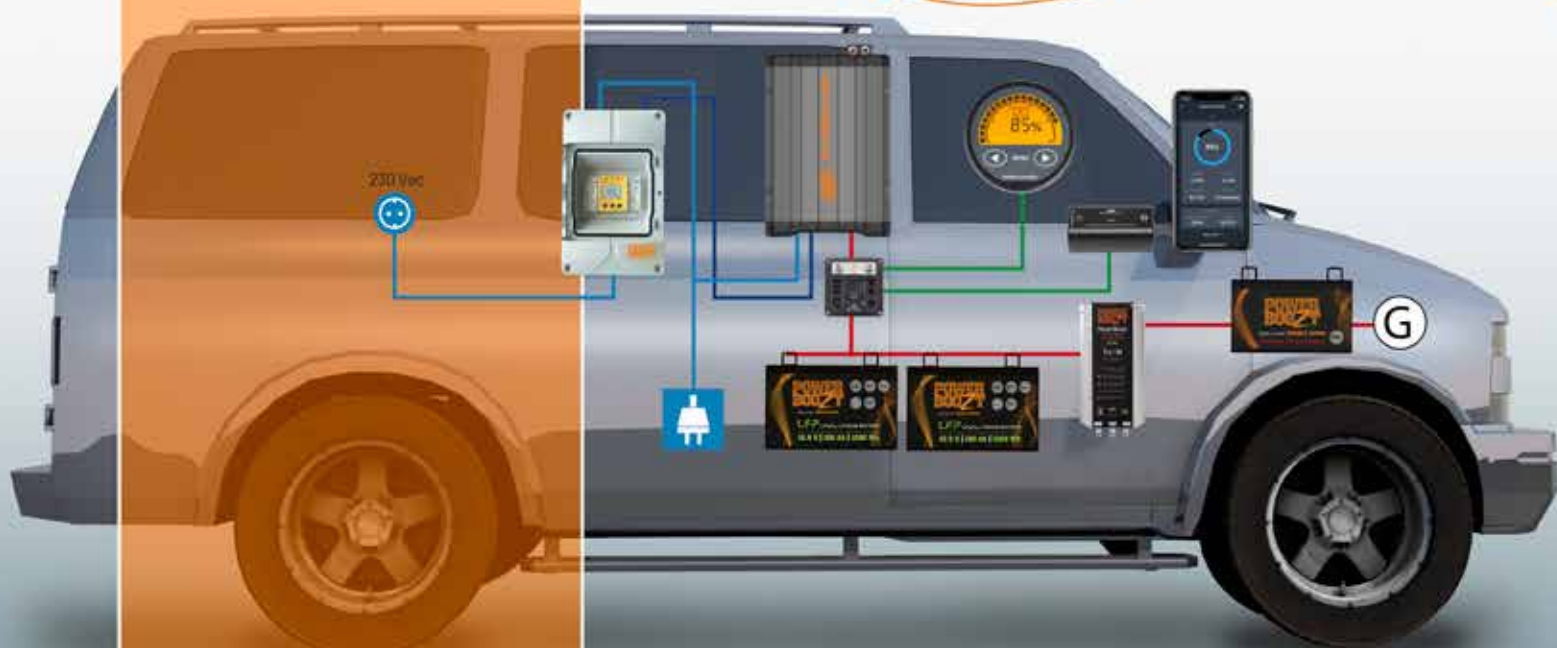


# POWER BOOZT



## POWERBOOZT YOUR SYSTEM



english  
August  
2022

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# LITHIUM BATTERIES



high power **battery series**

## PB-Li 12-90



Use in: VW T5 | T6 and others

### SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	90 Ah
Energy	1152 Wh
Max. cont. Discharge Current	100 A
Peak Discharge Current	300 A (3 s)
Discharge Temperature	-20 to +60°C
Charge Temperature	0 to +60 °C
Dimensions (LxWxH)	318 x 175 x 190 mm
Weight	11,8 kg
Terminal Type	Automotive Post
Cell Type / Chemistry	Cylindrical/LiFePO <sub>4</sub>
Recomm. Charge Current	50 A
Max. Charge Current	100 A
Recomm. Charge Voltage	14,6 V
Certificates	CE; UN38.3; UL1642 & IEC2133
Cycle Live	>2000

### COMMUNICATION

Bluetooth 4.0 with App Android/iOS  
COM port for firmware update

## PB-Li 12-105 L3



Use in: VW T5 | T6 | T7 and others

### SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	105 Ah
Energy	1344 Wh
Max. cont. Discharge Current	120 A
Peak Discharge Current	450 A (3 s)
Discharge Temperature	-20 to +60°C
Charge Temperature	0 to +60 °C
Dimensions (LxWxH)	278 x 175 x 190 mm
Weight	10.2 kg
Terminal Type	Automotive Post
Cell Type / Chemistry	Prismatical/LiFePO <sub>4</sub>
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

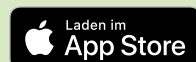
### COMMUNICATION

Bluetooth 4.0 with App Android/iOS  
COM port for firmware update

# LFP LiFePO<sub>4</sub> LITHIUM BATTERY



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Bluetooth

## PB-Li 12-100 D



Use in: Ducato, Boxer, Jumper and others

### SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	100 Ah
Energy	1280 Wh
Max. cont. Discharge Current	120 A
Peak Discharge Current	300 A (3 s)
Discharge Temperature	-20 to +60°C
Charge Temperature	0 to +60 °C
Dimensions (LxWxH)	353 x 175 x 190 mm
Weight	12 kg
Terminal Type	Automotive Post
Cell Type / Chemistry	Cylindrical/LiFePO <sub>4</sub>
Recomm. Charge Current	50 A
Max. Charge Current	100 A
Recomm. Charge Voltage	14,6 V
Certificates	CE; UN38.3; UL1642 & IEC2133
Cycle Live	>2000

### COMMUNICATION

Bluetooth 4.0 with App Android/iOS  
COM port for firmware update

## PB-Li 12-100 LT



Use in: Ducato, Boxer, Jumper and others

### SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	100 Ah
Energy	1280 Wh
Max. cont. Discharge Current	120 A
Peak Discharge Current	300 A (3 s)
Discharge Temperature	-20 to +60°C
Charge Temperature	-20 to +60 °C
Dimensions (LxWxH)	353 x 175 x 190 mm
Weight	12,5 kg
Terminal Type	Automotive Post
Cell Type / Chemistry	Cylindrical/LiFePO <sub>4</sub>
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  
COM port for firmware update



# LITHIUM BATTERIES



high power **battery series**

## PB-Li 12-50

## PB-Li 12-150 L5



Use in universal applications

Use in: Ducato, Boxer, Jumper and others

### SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	50 Ah
Energy	614 Wh
Max. cont. Discharge Current	50 A
Peak Discharge Current	150 A (3 s)
Discharge Temperature	-20 to +60°C
Charge Temperature	0 to +60 °C
Dimensions (LxWxH)	197 x 166 x 176 mm
Weight	7.5 kg
Terminal Type	M8
Cell Type / Chemistry	Cylindrical/LiFePO <sub>4</sub>
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  
COM port for firmware update

### SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	150 Ah
Energy	1920 Wh
Max. cont. Discharge Current	120 A
Peak Discharge Current	500 A (0,5 s)
Discharge Temperature	-20 to +60°C
Charge Temperature	0 to +60 °C
Dimensions (LxWxH)	353 x 175 x 190 mm
Weight	15 kg
Terminal Type	Automotive Post
Cell Type / Chemistry	Prismatic/LiFePO <sub>4</sub>
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  
COM port for firmware update

# LFP LiFePO<sub>4</sub> LITHIUM BATTERY



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Bluetooth

## PB-Li 12-200



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	300 A (<30 s)
Discharge Temperature	-20 to +60°C
Charge Temperature	0 to +60 °C
Dimensions (LxWxH)	353 x 350 x 188 mm
Weight	28 kg
Terminal Type	M8
Cell Type / Chemistry	Prismatic/LiFePO <sub>4</sub>
Recomm. Charge Current	50 A
Max. Charge Current	100 A
Recomm. Charge Voltage	14,4 - 14,6 V
Certificates	CE; UN38.3; UL1642 & IEC2133
Cycle Live	>2000

### COMMUNICATION

Bluetooth 4.0 with App Android/iOS  
COM port for firmware update

## PB-Li 12-300



Use in: Underseat Ducato, Boxer, Jumper and others

### SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	300 Ah
Energy	3840 Wh
Max. cont. Discharge Current	200 A
Peak Discharge Current	300 A (<30 s)
Discharge Temperature	-20 to +60°C
Charge Temperature	0 to +60 °C
Dimensions (LxWxH)	353 x 350 x 188 mm
Weight	35 kg
Terminal Type	M8
Cell Type / Chemistry	Prismatic/LiFePO <sub>4</sub>
Recomm. Charge Current	50 A
Max. Charge Current	100 A
Recomm. Charge Voltage	14,4 - 14,6 V
Certificates	CE; UN38.3; UL1642 & IEC2133
Cycle Live	>2000

### COMMUNICATION

Bluetooth 4.0 with App Android/iOS  
COM port for firmware update

# Powerboozt **LAD** - Deep Cycle AGM Batteries for professional applications



The new AGM batteries of the Powerboozt brand are equipped with extra thick lead plates and electrolyte fixed in the glass mat. (AGM = Absorbent Glass Mat). This makes them particularly resistant to cycling, vibration and can easily deliver higher currents and can be charged with high currents (0.2 x C20). They are absolutely maintenance-free, leak-proof and can be used in any mounting position. Their long service life (up to 800 cycles at 50% depth of discharge) and huge energy reserves make them particularly suitable for use as drive batteries for electric motors, as consumer batteries in yachts and motorhomes, or as storage batteries in photovoltaic systems.

The low self-discharge makes them perfect for seasonal use.

## Key points of the Powerboozt LAD

- Particularly long-lasting because designed as a cycle-resistant drive battery
- Absolutely maintenance-free
- High resistance to shock and vibration
- Robust and leak-proof construction
- Can be used in any installation position
- Low self-discharge
- Can be charged with high currents
- High discharge currents possible



## Technical data

Powerboozt LAD	VOLT	Ah (C20)	Ah (C5)	Length [mm]	Width [mm]	Height [mm]	Weight [kg]	Terminal	Circuit	Color
PB-LAD 85	12	85	68	260	169	215	26,1	M6	1	Silver
PB-LAD 110	12	110	88	328	172	222	32,5	M8	1	Silver
PB-LAD 150	12	150	120	484	171	241	45,5	M8	1	Silver
PB-LAD 200	12	200	159	532	206	219	58,4	M8	4	Silver
PB-LAD 260	12	260	207	520	268	224	77,0	M8	4	Silver

All types on request with terminal adapter to round pole

Circuit 1: positive pole left

Circuit 4: positive pole right

PB-LAD 85

PB-LAD 150

PB-LAD 260





# Powerboozt - **MOTIVE POWER**

## Deep Cycle Lead-Acid Batteries

### GC-Series



Powerboozt's GC Series traction batteries are specifically designed for cyclic use in electric vehicles and are available in 6-volt, 8-volt and 12-volt sizes.

With a reinforced grid plate, the advantages of these lead-acid batteries include extra long life with maximized capacity.

## Features

- low maintenance
- low self-discharge, approx. 5% per month
- 1,200 cycles at 50% depth of discharge

## Applications

- Cleaning machines
- Aerial work platforms
- automated transport systems
- Forklifts, lifting carts
- caravan / marine
- Golfcars
- electric vehicles or wheelchairs, etc.

## Technical data

Powerboozt GC-Serie	VOLT	Ah (C20)	Ah (C5)	Lenght [mm]	Width [mm]	Height [mm]	Weight [kg]	Terminal	Circuit
PB GC2-605	6	215	180	259	179	278	26,9	WNT	0
PB GC2-105	6	225	185	259	179	278	28,2	WNT	0
PB GC8-875	8	170	145	262	181	278	28,6	WNT	1
PB GC2-1275	12	280	120	329	181	245	38,5	WNT	1



# 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	9,6 kg	84
PB.535.118	53520	35 Ah	300 A	B19LS	+RJIS	B00	JIS	187*127*227	9,6 kg	84
PB.535.119	53522	35 Ah	300 A	B19R	+LJIS	B00	JIS	187*127*227	9,6 kg	84
PB.541.400		41 Ah	360 A	T4/LB1	+ R	B13	AUT	207*175*175	10,7 kg	72
PB.542.400	54018	40 Ah	340 A	H3/L0	+R	B13	AUT	175*175*190	9,9 kg	72
PB.544.402	54465	44 Ah	440 A	T4/LB1	+R	B13	AUT	207*175*175	11,2 kg	72
PB.545.106	54577	45 Ah	300 A	E2	+R	B01	AUT	219*135*225	11,3 kg	78
PB.545.107	54579	45 Ah	300 A	E2R	+L	B01	AUT	219*135*225	11,3 kg	78
PB.545.155	54584	45 Ah	330 A	B24LS	+RJIS	B00	JIS	238*129*227	11,7 kg	72
PB.545.156	54523	45 Ah	330 A	B24L	+R	B00	AUT	238*129*227	11,7 kg	72
PB.545.157	54551	45 Ah	330 A	B24RS	+LJIS	B00	JIS	238*129*227	11,7 kg	72
PB.545.158	54524	45 Ah	330 A	B24RS	+L	B00	AUT	238*129*227	11,7 kg	72
PB.545.412	54459	45 Ah	400 A	H4/L1	+R	B13	AUT	207*175*190	11,3 kg	72
PB.552.400	55054	52 Ah	470 A	H4/L1	+R	B13	AUT	207*175*190	12,4 kg	72
PB.553.400		53 Ah	470 A	T5/LB2	+R	B13	AUT	242*175*175	13,1 kg	63
PB.556.400	56219	60 Ah	480 A	H5/L2	+R	B13	AUT	242*175*190	13,7 kg	63
PB.560.127	56221	60 Ah	540 A	H5R/L2	+L	B13	AUT	242*175*190	14,3 kg	63
PB.560.408	56219	60 Ah	540 A	H5/L2	+R	B13	AUT	242*175*190	13,9 kg	63
PB.560.409	56077	60 Ah	540 A	T5/LB2	+R	B13	AUT	242*175*175	13,9 kg	63
PB.560.412	56068	60 Ah	510 A	D23L	+R	B00	AUT	232*173*225	14,5 kg	54
PB.560.413	56069	60 Ah	510 A	D23R	+L	B00	AUT	232*173*225	14,5 kg	54
PB.563.400	56219	63 Ah	610 A	H5/L2	+R	B13	AUT	242*175*190	14,8 kg	63
PB.568.404	57029	68 Ah	550 A	D26L	+R	B01	AUT	261*175*220	17,0 kg	48
PB.568.405	57024	68 Ah	550 A	D26R	+L	B01	AUT	261*175*220	17,0 kg	48
PB.570.010	57010	70 Ah	660 A	USA	+L	B01	USA	260*179*180	17,0 kg	48
PB.570.144	56822	70 Ah	640 A	T6/LB3	+R	B13	AUT	278*175*175	15,8 kg	48
PB.570.409		70 Ah	640 A	H6/L3	+R	B13	AUT	278*175*190	16,6 kg	48
PB.572.409	57219	72 Ah	680 A	T6/LB3	+R	B13	AUT	278*175*175	16,7 kg	48
PB.574.104	57412	74 Ah	680 A	H6/L3	+R	B13	AUT	278*175*190	16,2 kg	48
PB.577.400		77 Ah	780 A	H6/L3	B13	+R	AUT	278*175*190	17,9 kg	48
PB.580.400	58019	80Ah	740A	H7/L4	+R	B13	AUT	315*175*190	18,3 kg	42
PB.580.406	58035	80Ah	740A	T7/LB4	+R	B13	AUT	315*175*175	18,3 kg	42
PB.590.122	58827	90 Ah	720 A	H8/L5	+R	B13	AUT	353*175*190	20,8 kg	36
PB.595.404	60032	95 Ah	830 A	D31L	+R	B01	AUT	306*173*225	21,4 kg	39
PB.595.405	60033	95 Ah	830 A	D31R	+L	B01	AUT	306*173*225	21,4 kg	39
PB.600.402	60038	100 Ah	830 A	H8/L5	+R	B13	AUT	353*175*190	21,3 kg	36
PB.610.402	61042	110 Ah	920 A	H9	+R	B13	AUT	393*175*190	24,5 kg	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	13,3 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.600.047	60026	100 Ah	600 A	D	+R	B00	AUT	413*175*220	26,7 kg	36
PB.620.045	62034	120 Ah	680 A	A	+L	B00	AUT	513*189*223	33,6 kg	24
PB.625.012	62512	125 Ah	720 A	WOR	+R	B00	AUT	349*175*290	31,2 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.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.654.011		154 Ah	1150 A	A	+L	B00	AUT	513*189*223	39,8 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





# 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.



AGM BATTERY










HYBRID AGM



PRO-CAPACITOR

## START BOOSTER 12V








Model	Volt [V]	Peak Amps (A)	Starting Amps (A)	# of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm <sup>2</sup> )	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PBBP10-1600	12	1600	680	1	-	-	26x15x35	25	75	7	230	1.2	
PBBP15-2500	12	2500	850	1	Clamp	500	27x18x38	25	135	9.7	230	2	
PBBP15-3100	12	3100	1170	1	Clamp	500	27x18x38	25	135	10	230	2	
PBBP12500	12	2500	850	1	-	-	32x10x30	25	75	9.3	230	1.2	
PBBP13100	12	3100	1170	1	-	-	32x10x30	25	75	11.3	230	2	
P23-3100	12	3100	1170	1	Clamp	500	33x15x31	25	84	10	230	2	
P27-Ladestation	12	-	-	-	-	-	40x18x31	-	-	4	230	3.8	

## START TRUCK 12/24V




PBBP2ST1224V22	12/24	5000/2500	1700/850	2	Clamp	500	33x22x44	50	165	25	230	3	
PBBP2ST1224V25	12/24	6200/3100	2340/1170	2	Clamp	500	33x22x44	50	165	25	230	3	
PBBP15TR1224V	12/24	6400/3200	2560/1280	2	Clamp	500	39x27x53	50	175	33	230	7	

## PROCAP BOOSTER 12V / 12-24V / 24V

Model	Volt [V]	Peak Amps (A)	Starting Amps (A)	# of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm <sup>2</sup> )	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
C4-1800 *	12	6000	1400	0	Clamp	500	35x13x32	25	175	6	230	3	
C15-3000 *	12	9000	1800	0	Clamp	500	27x18x38	25	135	8.7	230	3	
PBBC15-24V *	24	8000	1950	0	Clamp	500	27x18x38	50	135	8.7	230	2	
PBBC15TR1224V *	12/24	18000/9000	4400/3400	0	Clamp	500	39x27x53	50	175	19	230	3	
C7-ST *	12/24	18000/9000	4400/3400	0	Clamp	500	39x27x53	50	175	19	230	3	

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

## HYBRID BOOSTER 12V

Model	Volt [V]	Peak Amps (A)	Starting Amps (A)	# of Batteries	Location of Fuse	Fuse (A)	Dimensions (cm)	Cable Diameter (mm <sup>2</sup> )	Cable Length (cm)	Unit Weight (KG)	Charger Voltage (V)	Charger Amps (A)	Vehicle Types
PBBH4600 *	12	2800	1200	1	Clamp	500	35x13x32	25	175	8.5	230	1.2	
PBBH15-600 *	12	3100A	1400	1	Clamp	500	27x18x38	25	135	9.5	230	1.2	
PBBH15-1500 *	12	8000A	1500	1	Clamp	500	27x18x38	25	135	11.8	230	1.2	

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

# PROFESSIONAL TRUCK CHARGER

**PB-TR 12/24V 30A**

**POWER  
BOOZT**

**DESIGNED &  
MADE IN  
GERMANY**



**HF-TECHNOLOGY**

The new „Professional Truck Charger“ from Powerboozt is the flexible and robust solution to charge your truck batteries either directly in the vehicle or in the warehouse. The automatic voltage detection makes this possible. Through regular recharging, they bring the state of charge of their batteries to a permanently high level, so that they have more leeway, especially in the cold months, and can thus avoid a possible deep discharge or even a costly breakdown. To do this, simply attach the charger to a pillar with a power connection at a workshop location. As soon as a truck comes in for maintenance or repair, they connect the charger to the batteries. To do this, they can use the supplied clamps or our unique „plug and play“ solution, where a plug and play cable is already mounted in the truck to the batteries with the correct connection socket. This is a real labor saver especially in hard to reach installation locations with limited space. The robust design Made in Germany stands for quality, reliability and durability.

- Suitable for all common truck batteries from 120 - 260AH (standard wet / AGM / Gel)
- Automatic 24V/12V voltage detection
- 30A charging current
  - 2x IUIA characteristic (standard is AGM / wet, switchable to GEL)
  - Charge maintenance mode
- The robust design Made in Germany stands for quality, reliability and durability
  - Dimensions 260 x 164 x 93 mm
  - Housing, cables and connectors meet the highest requirements
  - REMA FT 80 plug and socket guarantee absolutely reliable, high-quality, loadable and low-loss use of electronic energy
- Safety
  - Reverse polarity and short circuit protection
  - Temperature control
  - Protection class IP 21
  - IUIA characteristic according to DIN 41773 is monitored and switched off by electronically controlled charging switch
  - After 100% full charge, the unit automatically switches to charge maintenance mode





### Package contents:

- Device with handle
- Instruction manual
- Charging cable with clamps

Charge current	Cable	Length	Cable diameter			Connector 1	Connector 2
15-30 A	Power cable	2m	2x	4	mm <sup>2</sup>	Device	Power plug
15-30 A	Charging cable	3m	2x	4	mm <sup>2</sup>	Device	Socket REMA FT80
15-30 A	Charging cable with clamps	0,5m	2x	4	mm <sup>2</sup>	Plug REMA FT80	Clamps H100

## Simple assembly and flexible to use

- Rear side with pre-drilled holes for easy wall mounting
- integrated handle, e.g. to take the device easily to the warehouse



### Accessories:



Charge current	Cable	Length	Cable diameter			Connector 1	Connector 2
15-30 A	LKW Plug and Play Cable M8	0,5m	2x	4	mm <sup>2</sup>	Plug REMA FT80	Ring lugs M8
15-30 A	LKW Plug and Play Cable M10	0,5m	2x	4	mm <sup>2</sup>	Plug REMA FT80	Ring lugs M10
15-30 A	Extension cable 3m	3m	2x	4	mm <sup>2</sup>	Socket REMA FT80	Plug REMA FT80
15-30 A	Extension cable 5m	5m	2x	6	mm <sup>2</sup>	Socket REMA FT80	Plug REMA FT80

# ON-BOARD-CHARGER PB OBC 12/25

DESIGNED &  
MADE IN  
GERMANY

Designed for onboard-charging in **Caravans & Motorhomes**



**6 different IUU characteristics can be selected, including:**

- Lithium (LiFePO<sub>4</sub>) 14,4V
- Lithium (LiFePO<sub>4</sub>) 14,6V
- Pb (wet, flooded)
- GEL
- AGM (flat plate)
- AGM (spiral cells)

**Temperature controlled charging for Lithium- and Lead-Batteries**

(Temperature sensor (optionally available))

## ELECTRICAL SPECIFICATIONS | TECHNICAL DATA

Main voltage	230V +/-10% (50-60 Hz)
Main current	1.8A @ 230 V
Main fuse	T 10 A 250 V miniature fuse
Nominal Charge voltage	12 V
Nominal Charge current	25 A
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 (optional)
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, power plug; temp. sensor connection cable
Housing dimensions	WxHxD: 150x65x160 mm (without mounting lugs)
Colour	aluminium
Weight	2.0 kg
Charge cable	2.0 m / 2 x 4.0 mm <sup>2</sup> (Package contents)

Vehicle Types



**AGM - GEL - WET - LFP**

# SMART CHARGER AGM - GEL - WET - EFB

## PB C 61211



**6/12V**

## PB C 61238

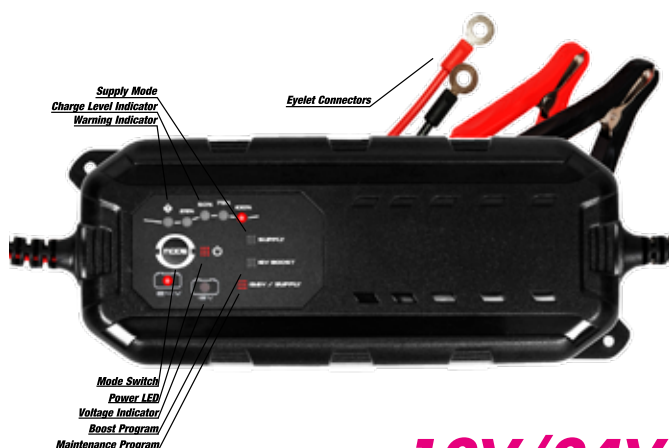


**6/12V**

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 C 61211	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



# **JUMP STARTER** with compressor

**Multifunctional power bank and jump starter,  
LED lamp and compressor**



This universal mobile powerbank should not be missing in any outdoor activity.

Not only the high capacity of the power bank (20000mAh), but also the integrated 12V jump starter that can restart even large engines even with a dead battery, are indispensable.

The highlight is the integrated compressor, which pumps up the tire of the camper in case of a breakdown, the inflatable boat or the standup paddle (adapter is included).

Power bank Capacity	20000 mAh
Jump starter	12V, starting Amps up to 1000 A (peak Amps 2500 A)
Compressor:	0.8 to 10 bar (10-150 PSI)
USB-A	5V/3A, 9V/2A
Charging time	4-7,5 h. via USB-C socket
Operating temperature	-20°C bis 50°C

# JUMP STARTER

PBJS 600A & PBJS 900A

*Multifunctional 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

- Capacity 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 200



## PB PS 600



SPECIFICATIONS	PB PS 200	PB PS 600
Rated power	200 W	600 W
Peak power	400 W	1200 W
Output voltage AC	AC 230V/50Hz $\pm 5\%$ (pure sinus)	2 x AC 230V/50Hz $\pm 5\%$ (pure sinus)
Output voltage DC	2x DC 12V/8A; 1x USB-C Quick Charge 3.0; 1x USB 5V1A; 1x USB 5V2A	1x DC 12V/10A; 2x USB-C Quick Charge 3.0
Battery type	Lithium-Ion	
Battery capacity	193 Wh (10.8V/17,85Ah)	578 Wh (25,2V/22,95Ah)
Life cycle	1000 Cycles @ 70% DOD	1000 Cycles @ 80% DOD
Charging by car and solar	DC 13V-30V/4A; Solar 18V (MAX)	Caro 13V (Adapter); DC 29,4V/9A; Solar 18V (MAX)
Charging voltage and current	AC 80V-260V, 15V/4A	AC 80V-260V, 29,4V/9A
Protection	Over-voltage, low-voltage, over temperature, overload and AC short circuit protection	
Size LxWxH [mm]	190 x 127 x 175	280 x 152 x 225
Weight [kg]	2	5,9
LED	2 x 1 W	3 x 1 W



## PB PS 1500



## PB PS 3000



PB PS 1500	PB PS 3000
1500 W	2200 W
3000 W	4000 W
2 x AC 230V/50Hz $\pm 5\%$ (pure sinus)	3 x AC 230V/50Hz $\pm 5\%$ (pure sinus)
1x DC 12V/10A; 4x USB Quick Charge 3.0	1x DC 12V/10A; 2x DC 12V/5A; 4x USB-A; 2x USB-C (18W and 100W); Wireless Charger 15W Max.
Lithium-Ion	
1461 Wh (25,2V/58Ah)	3108 Wh (25,9V/120Ah)
1000 Cycles @ 70% DOD	1000 Cycles @ 80% DOD
Car 13V (Adapter) DC 29,4V/5A; Solar 36V/20A (MAX)	Car: 12V/10A; Solar 36~96V/20A
AC 80V-260V, 29,4V/9A	AC 210-230V/10A
Over-voltage, low-voltage, over temperature, overload and AC short circuit protection	
352 x 187 x 260	409 x 256 x 297
12,5	25,35
-	-



Mobile lithium battery with integrated charger, especially well suited for caravan mover



## POWER BOX 30



### TECHNICAL DATA

Manufacturer	PowerBoozt
Typ	PowerBox30
Cell Type   Chemistry	Prismatic   $\text{LiFePO}_4$
Nominal Voltage	12,8 V
Nominal Capacity   Energy	30 Ah   384 Wh
Discharge Current	max. 100 A
Peak Discharge Current	max. 210 A (<3s)
integr. Charger (INput)	230 V/50 Hz
integr. Charger (OUTput)	14,6 V / 6 A
Discharge Temperature	-20° C to +60° C
Charge Temperature	0° C to +45° C
Dimensions (L x W x H)	250 x 175 x 125 mm
Weight	6,42 kg
Case Material	Rugged metal housing
Certificates	CE; UN 38.3
Warranty	3 years manufacturer warranty
Extras	integrated ON/OFF switch and voltage monitor

Protect device from fire and water | Do not open device | Check charge status every 3 months, recharge if necessary

Mobile lithium battery with integrated charger,  
especially well suited for caravan mover



TECHNICAL DATA

Manufacturer	PowerBoozt
Typ	PowerBox50
Cell Type   Chemistry	Prismatisch   LiFePO <sub>4</sub>
Nominal Voltage	12,8 V
Nominal Capacity   Energy	50 Ah   640 Wh
Discharge Current	max. 100 A
Peak Discharge Current	max. 210 A (<3s)
integr. Charger (INput)	230 V/50 Hz
integr. Charger (OUTput)	14,6 V / 6 A
Discharge Temperature	-20° C to +60° C
Charge Temperature	0° C to +45° C
Dimensions (L x W x H)	300 x 260 x 110 mm
Weight	11,2 kg
Case Material	Rugged metal housing
Certificates	CE; UN 38.3
Warranty	3 years manufacturer warranty
Extras	integrated ON/OFF switch and voltage monitor

Protect device from fire and water | Do not open device | Check charge status every 3 months, recharge if necessary



# BATTERY PROTECT

## PB MBR 12/24-100 & PB MBR 12/24-140



The working principle is the following: the PB-MBR 12/24-100 or PB-MBR 12/24-140 lets the primary battery being recharged by the alternator until a voltage of 13.2V (26.4V) during at least 7 seconds is reached. Then the two batteries are put in parallel by the contact of the relay. The secondary users are normally connected to the auxiliary battery. The relay opens when the batteries voltage reaches 12.8V (25.6V) during at least 60 seconds.

This way the starter battery remains charged. If a battery charger is connected to the auxiliary battery and this battery reaches a voltage of 13.2V (26.4V) during at least 7 seconds, the relay closes and charges at the same time the starter battery. This is an advantage if the vehicle remains stationary over a long period of time. If the battery charger is disconnected and the battery voltage reaches 12.8V (25.6V) during at least 60 seconds, then the PB-MBR 12/24-100 or PB-MBR 12/24-140 separates again the two batteries.

### Technical specifications:

Supply:	Automatic detection 12/24 V
Max. current:	100 A (MBR 100) or 140 A (MBR 140)
Battery connection:	M6
Other connections:	Faston 6,3 mm
Cable cross section:	25mm <sup>2</sup>
Consumption OFF:	12V=1.5mA / 24V=1.5mA
Consumption ON:	13.5V=360mA / 27V=160mA
Minimum charge time:	60 seconds
Fast opening:	< 11.8V (12V) / 23.6 (24V) after 4 seconds

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

## 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 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 I <sub>max</sub> [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

## MOTION DETECT PB-BSM 140

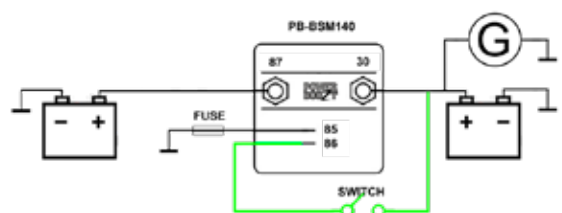


Due to the smart dynamo (Euro6 Euro7) with many modern vehicles it is no longer possible to read from the battery voltage whether a vehicle is .on'. Also, the smart dynamo is usually no longer equipped with a D+ (engine running signal). The PowerBoost PB-BSM140 is equipped with a sensor that can detect 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

# CHARGER WITH SWITCH FUNCTION

## PB DCi Charge

### 3 steps Switch mode galvanic isolated charger:



The PowerBoost DCi Charge charging converter comprises a unique series of high quality DC-DC charge converters. The input and output are separated, which makes the device completely interference-resistant. The 3-stage charging characteristic ensures fast and safe charging of the connected battery.

For charging a 12 Volt battery through a 12 volt system, or charging a 24 volt battery (set) through a 12 or 24 volt system. Ideal for boosting a lower voltage to a guaranteed and correct battery charging voltage.

For example to compensate for voltage drop or to control the maximum DC current over the cabling

The PowerBoost DCi Charge charging converter uses the „switch mode“ technique resulting in a safe, reliable and efficient device with low energy consumption. (standby current <25mA)

**Protections:** Overload/Short Circuit, Over Voltage, Overheating Reverse polarity.

PB-DCi 1212 Charge	input 9-19Vdc	Output 14,4Vdc
PB-DCi 1224 Charge	input 9-19Vdc	Output 28,8Vdc
PB-DCi 2424 Charge	input 20-35Vdc	Output 28,8Vdc

# 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.

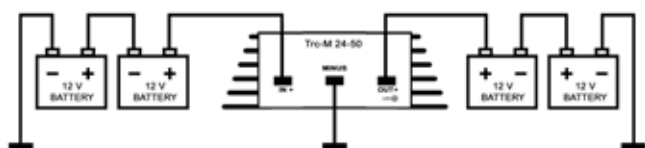
1. PB-Trc M 1212-50 => IN: 10-18Vdc OUT: 14.4V / 50A  
(200210; undervoltage protection input, overvoltage protection input) [output adjustable with potentiometer: 13.2V to 15.7V]

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 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

## PB TRC-IGN

DC-DC converter  
Ignition Controlled  
Switch Mode



#### 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.

	IN (VDC)	OUT (VDC)	Amps (A)	Größe(mm)	Gewicht (kg)	Sicherung (A)
Trc-IGN 24-24 50A	20-35	28,8	50	64x335x163	2,3	50
Trc-IGN 12-12 50A	10-17	14,4	50	64x335x163	2,3	50
Trc-IGN 12-24 25A	10-17	28,8	25	64x335x163	2,3	25



# DC-DC CHARGER

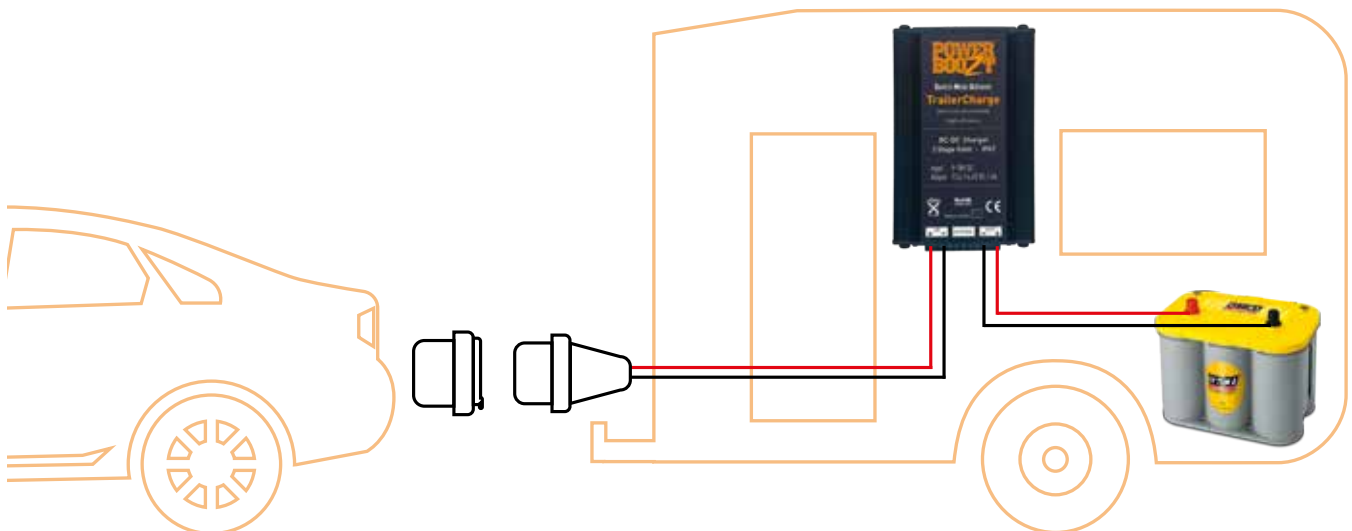
## PB TC-1206

### Charger for trailers and caravans with 3 charging characteristics

The PowerBooZ-Trailercharge ensures that the power of the towing vehicle charges the battery inside caravan/ trailer in a safe and controlled way. It is compact, easy to install and waterproof. (IP67) This 3-step battery charger is galvanically isolated which means that the power circuit of the towing vehicle cannot be influenced. The PowerBooZ trailercharger charges with a maximum of 6 Ampere. So no adjustment needs to be made in the towing vehicle.



3 Stage IUoU  
Galvanic isolated.  
Input 9-18Vdc  
Output 13,6 – 14,4 Vdc.  
Max 6 Amps.



# PURE SINE WAVE INVERTER

## PB RHINO



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.

### Remotes



remote-control: **RRC80**



remote-control: **RRC80W**



remote-control: **RRC90D**

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-RHINO

		TYP	Vdc	Phom	Sinus	Peak	L*W*H [mm]	Weight	Display
NO LCD	12Vdc	PB-RHINO-300-12	12 Vdc	300W	Pure Sine Wave	600W	210*106*70	2 kg	NO
		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
with FX	12Vdc	PB-RHINO-2500-12-FX	12Vdc	2500W	Pure.Sine.Wave	5000W	480*252*101	6,8 kg	NO

**PB-RHINO-2500-12-FX** / For applications where fixed wiring is used or where 230 volt plugs are prevented from being pulled out of the socket. For example, because of the use of safety protection such as insulation protection.

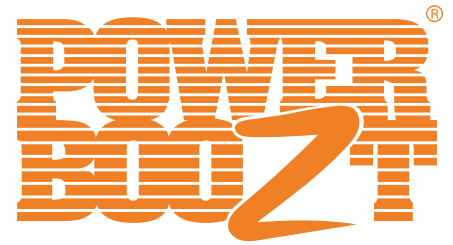
The strain relief helps to provide a solid fixation and prevents cables from being torn off.

In addition to the on/off switch, the RHINO FX is equipped with an extra input that can be used to switch the inverter on/off externally.

For example, by a relay controlled by a motor run signal or other device. This prevents the inverter from remaining on when not in use. It is also possible to connect the RCC wired or wireless remote controls.

# ***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.

***no Shore-Power***

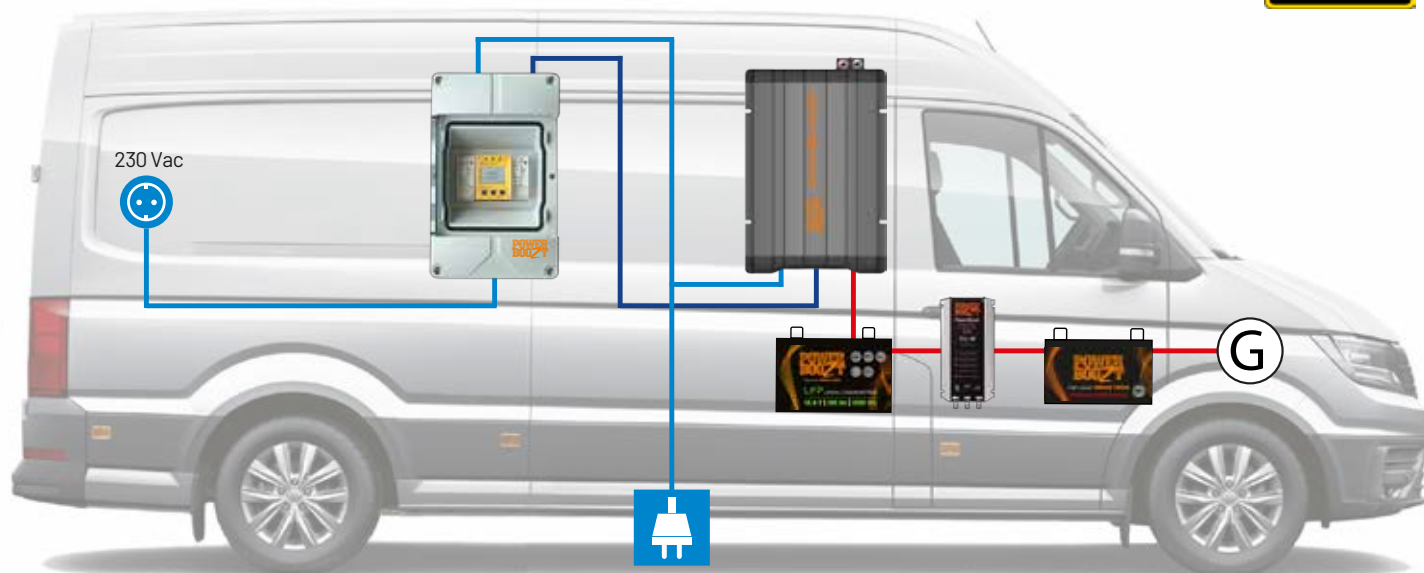
***with Shore-Power***





# 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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