

# BATTERY ENCLOSURES AND ACCESSORIES

## Battery Enclosures

### Outdoor Battery Enclosures

Battery boxes serve many purposes. Protection from tampering, weather and physical damage to name a few. Should a battery rupture a good battery box will contain the acid and minimize the damage.

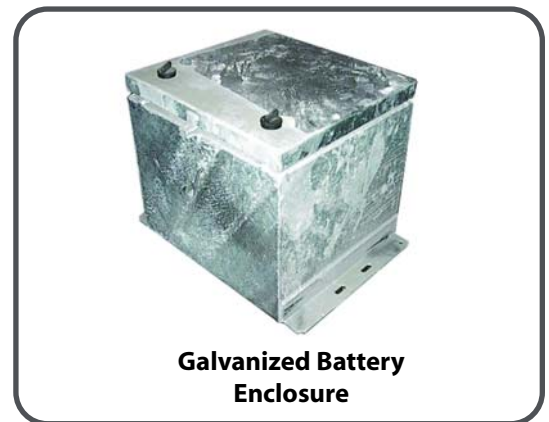


6B Battery Enclosure

Product Name and Description	Part Number	Size (in.) (L x W x H)	Price	Shipping Weight (lbs.)
<b>2 TB - (2 Group 27)</b> Outdoor, Black HDPE	27420	34.5 x 13.5 x 12.75	\$96.00	8.0
<b>4 TB - (4 Group 27)</b> Outdoor, Aluminum with clear powder coat	28170	32.0 x 14.0 x 15.0	\$208.00	32.0
<b>6B - HDPE Battery Enclosure</b> Constructed of heavy-duty polyethylene; hold up to four (4) L-16, six (6) T105 or group 27 batteries.	27391	37.0 x 21.0 x 20.1	\$125.00	24.0

### Industrial Grade, Galvanized Battery Enclosures

Rugged, welded 12 gauge steel, NEMA 3R construction, hot dipped galvanized, fully insulated with 1 inch eps foam insulation, with self venting lid. Includes mounting feet. 4B enclosure models include side lifting handles and bottom mounting channels and padlock style lid closure. 1BE and 2BE models have quarter turn latches.



Galvanized Battery Enclosure

Product Name and Description	Part Number	Size (in.) (L x W x H)	Price	Shipping Weight (lbs.)
1BE	26091	9.80 x 15.30 x 13.00	\$333.00	55.0
2BE	26092	16.50 x 15.30 x 13.00	\$350.00	78.0
4B	26022	34.00 x 16.50 x 21.50	\$699.00	125.0



## OutBack Power System Rack (PSR)

OutBack Power Systems (PSR) introduces a new idea - a combined battery cabinet and system component rack that is changing how energy systems are installed. The PSR saves time, money and space by combining the batteries, disconnects, overcurrent protection devices and even the inverter / charger into a single enclosure. The PSR is packaged knocked down for ease of shipment, storage and installation. Also available frame only. (PSR-FO)

The PSR battery rack / enclosure is available either as an open rack or with removable side panels for indoor use. It can also be used for outdoor installations with an optional PSR-3RK Outdoor Rainproof Kit installed. The PSR can be used to hold inverters, controls, battery chargers and other system components together with sealed batteries. Includes a mounting area for 5 small (0.75" wide) and 1 medium or large (1.0" or 1.5" wide) DC breakers.

### Power System Rack

Includes removable top & side panels, two shelves and conduit / breaker knockout plates. PSR front bracket will hold one DC-GFP/2, two PV array disconnect breakers and one large inverter / charger breaker. Holds eight non-sealed T105 or four non-sealed L-16s with space to check and add water without removing the top. Holds twelve sealed Group 31 / T105 using one additional self kit or four sealed 8D batteries with two additional shelf kits. Optional spill containment trays, PSR-SCT, are available for use with unsealed batteries. For indoor use only - ETL listed under UL1741 as a Photovoltaic accessory. Shipped unassembled in three boxes.

Product Name and Description	Part Number	Size (in.) (L x W x H)	Price	Shipping Weight (lbs.)
PSR	55279	37 x 17 x 43	\$649.00	110.0
PSR-FO	55281	34 x 17 x 43	\$399.00	74.0



### Power System Rack - Accessories

Product Name and Description	Part Number	Price	Shipping Weight (lbs.)
<b>PSR-3RK - Type 3R / Outdoor Rainproof Kit</b> A field installable kit to allow the mounting of the PSR in an outdoor location. Includes an insulated powder-coated aluminum top rain shield, gasketing, and a lockable, transparent flip-up circuit breaker cover. Shipped as a kit in one additional box. ETL listed.	55280	\$149.00	10.0
<b>PSR-SK - Additional Shelf Kit</b> Additional shelf for the PSR for more batteries or inverter/chargers when using sealed batteries. Maximum of four shelves inside a PSR or five total shelves on a PSR-FO version.	55283	\$89.00	12.5
<b>PSR-BCK - Breaker Cover Kit</b> Transparent flip-up cover with mounting screws and padlock hasp. Fits on PSR only.	55285	\$19.00	1.0
<b>PSR-HDT - Heavy Duty Top</b> Allows mounting of a SW series II inverter / charger with conduit box on top of the PSR cabinet.	55282	\$79.00	16.5
<b>PSR-SCT - Spill Containment Tray</b> Holds four Group 31, T105 or L16 batteries. The tray has enough capacity to hold one ruptured battery cell's spilled electrolyte. Fits on one PSR shelf. Molded acid resistant polyethylene plastic.	55286	\$29.00	5.0
<b>PSR-MP - Mounting Plate for PSR</b> Attaches to the back of a PSR to allow mounting of electrical components. Predrilled for TBB and GBB options and various other control / inverter components. Fits inside of enclosure panel.	55287	\$39.00	10.6
<b>PSR-SZ4 - Seismic zone 4 Kit</b> To meet UBC earthquake safety requirements	55284	\$89.00	9.2



## Can-PULSE Solar Charge / Motive Partner

The Solar Charge/Motive Partner (SCP/SMP) is an electronic battery conditioning device that enhances battery performance by preventing/reducing sulfation buildup on the battery's lead plates. Sulfation is present in every battery to some degree and is part of the natural aging process of a lead acid battery. The Can-PULSE Solar Charge/Motive Partner combats this sulfation buildup by emitting a short duration high voltage pulse that stimulates and dissolves the sulfation molecules returning them back to the electrolyte where they belong. Activates at 13.5 volts (12V), 27 volts (24V), or 54 volts (48V).

SCP units are for batteries with capacities less than 600 amp-hours while SMP units are for batteries over 600 amp-hours capacities. All units come with a 1 year warranty.



Can-PULSE SMP-12

Product Name and Description	Part Number	Voltage	Operating Current	Activation Voltage	Price	Shipping Weight (lbs.)
SCP-12	43910	12	<100mA	13.5	\$159.00	1.0
SCP-24	43911	24	<50mA	26.0	\$160.00	1.0
SMP-12	43920	12	<150mA	16.2	\$495.00	1.0
SMP-24	43921	24	<75mA	26.0	\$495.00	1.0
SMP-48	43922	48	<25mA	50.0	\$495.00	1.0

## Battery Vent Caps - Water Miser

Flip-top vent cap design allows watering without cap removal. A pellet condensing medium captures and returns electrolyte-laden droplets during the charging cycle, assuring cell electrolyte gravities are better maintained. Reduces fumes in the environment and extends watering intervals.

Product Name and Description	Part Number	Price
<b>Water Miser Safety Vent Cap</b> Bayonet quarter-turn design fits most wet batteries	42025	\$7.00



Water Miser Cap

## Power Vent - Battery Box Ventilator

This ventilation unit mounts in the 2 inch SCH40 PVC pipe commonly used to vent battery boxes (48 volt units require 2 inch inlet and 3 inch outlet PVC piping). The PVC housing of the power vent encloses a small 12, 24 or 48 volt fan and flap valve to stop back draft. Now your basement battery box will vent to the outside whenever charging voltages are present and at night no air will enter the house. Many passive ventilation systems do a better job at ventilating the batteries into the house than outside, because of the lower pressure associated with many basements. A voltage sensitive switch is required to operate this unit. Auxiliary relays inside a Trace SW series inverter will accommodate this nicely. Power consumption is 2.2 watts; 2.0 inch pipe provides 6 cfm.

Product Name and Description	Part Number	Voltage	Price	Shipping Weight (lbs.)
Power Vent 12V	84550	12	\$79.00	3.0
Power Vent 24V	84552	24	\$79.00	3.0
Power Vent 48V	84554	48	\$125.00	4.0



Power Vent

## Battery Interconnect Cables

High quality, flexible cable with copper ring lugs for 3/8 inch bolt. Lugs are professionally double crimped and sealed to cable with adhesive melt-wall tubing to prevent corrosive fumes from damaging conductors.

### Non-Domestic Use

Product Name and Description	Part Number	Price	Shipping Weight (lbs.)
#4 x 12 in. Red	43000	\$6.00	0.19
#4 x 12 in. Black	43010	\$6.00	0.19
#4 x 18 in. Red	42910	\$7.00	0.31
#4 x 18 in. Black	42900	\$6.00	0.31
#2 x 16 in. Red	44362	\$9.00	1.00
#2 x 16 in. Black	44363	\$9.00	1.00
#2/0 x 7.5 in. Red	43055	\$10.00	0.38
#2/0 x 7.5 in. Black	43057	\$10.00	0.38
#2/0 x 12 in. Red	43040	\$12.00	0.50
#2/0 x 12 in. Black	43050	\$12.00	0.50

Product Name and Description	Part Number	Price	Shipping Weight (lbs.)
#2/0 x 18 in. Red	43110	\$14.00	0.75
#2/0 x 18 in. Black	43120	\$14.00	0.75
#2/0 x 24 in. Red	43060	\$16.00	1.00
#2/0 x 24 in. Black	43070	\$16.00	1.00
#4/0 x 13 in. Red	43126	\$18.00	1.00
#4/0 x 13 in. Black	43125	\$18.00	1.00
#4/0 x 18 in. Red	43121	\$20.00	1.50
#4/0 x 18 in. Black	43122	\$20.00	1.50
#4/0 x 24 in. Red	43123	\$22.00	2.00
#4/0 x 24 in. Black	43124	\$22.00	2.00

### Domestic Use (UL Listed)

Product Name and Description	Part Number	Price	Shipping Weight (lbs.)
BC1.5B 2/0 Red (18")	49137	\$20.00	2.0
BC1.5B 2/0 Black (18")	49136	\$20.00	2.0
BC1.5B 4/0 Red (18")	49139	\$20.00	3.0
BC1.5B 4/0 Black (18")	49140	\$20.00	3.0



## Battery Maintenance Items

Battery systems should be properly installed and maintained on a regular basis. The following items are recommended for typical installations and periodic maintenance.

Product Name and Description	Part Number	Price
<b>Hydrometer - Temperature compensating</b> Measures electrolyte specific gravity.	44030	\$7.00
<b>Water Filling Jug - With auto shut-off</b> 72 oz.	44036	\$29.00
<b>Anti-Corrosion Paste - Brush-on</b> 2 lbs. jar. Prevents battery terminal corrosion	44115	\$17.00
<b>Chemical Goggles</b> Recommended eye protection	44045	\$5.00
<b>Rubber Globes - Solvex</b> Large pair. Protects skin from chemical contact.	44046	\$3.00

