Renewable Energy Storage Solutions

EnerSys®

Power/Full Solutions

Battery Enclosures

Featuring advanced thermal management and technology, these enclosures keep batteries at their optimum operating temperature even in extreme outside conditions. This allows you to store batteries outside, freeing up valuable space in your facility.

Features:

- A fast off-the-shelf solution
- Reduced cooling costs
- Built-in security features
- Lower Total Cost of Ownership (TCO)

PowerSafe® OPzV batteries

Tubular gelled Valve Regulated Lead Acid (VRLA) technology for proven reliability, great cyclic capability and long life

Features:

- Capacity range: 320 - 1580 Ah
- Lead-calcium alloy
- 20 plus year service life

PowerSafe® OPzS batteries

Flooded tubular single cells for maximum cycle life in demanding applications

Features:

- Capacity range: 648 - 3543 Ah
- Low antimony lead alloy
- 3 year watering interval

PowerSafe® PV Bloc batteries

A range of VRLA gel monoblocs ideal for repeated cycling duty in low power requirement systems

Features:

- Capacity range: 57 - 195 Ah
- Up to 1410 cycles to 25% depth of discharge
- No equalization charging required

PowerSafe® Ni-Cd batteries

A flooded series of low maintenance nickel-cadmium batteries specifically designed to deliver long life in extreme temperatures, an ideal choice for renewable off-grid applications.

Features:

- Capacity range: 594 - 1500 Ah
- Ni-Cd pocket plate design
- Wide operating temperature

Genesis® EP batteries

The Thin Plate Pure Lead (TPPL) battery is a premium high performance design packing more power into a smaller footprint, providing deep cycling, fast-charging capabilities perfectly suited for small-to-medium range Photovoltaic (PV) system power requirements.

Features:

- Capacity Range: 13 - 200Ah
- High power density
- 2 year shelf life

Powerbloc™ FTP batteries

Designed to provide reliable, high power performance along with deep cycle capabilities for renewable energy applications where dependability and low maintenance is required.

Features:

- Capacity range: 105- 380 Ah
- Advanced separator design and paste formulation gives true 700 cycle performance
- Fastest “Cycle Up” to full rated capacity

Battery Types	Nominal Voltage (V)	Nominal Capacity (Ah) 8 hr Rate/ 1.75Vpc/77˚F (25˚C)	Length		Width		Height	
			in	mm	in	mm	in	mm
6 OPzV 600	2	320	5.7	145	8.1	206	27.4	695
8 OPzV 800	2	940	8.3	210	7.5	191	27.4	695
10 OPzV 1000	2	1170	8.3	210	9.2	233	27.4	695
12 OPzV 1200	2	1410	8.3	210	10.8	275	27.4	695
12 OPzV 1500	2	1580	8.3	210	10.8	275	33.3	845
6 OPzS 600	2	648	5.7	145	8.1	206	27.4	695
10 OPzS 1000	2	1071	8.3	210	9.2	233	27.4	695
12 OPzS 1200	2	1293	8.3	210	10.8	275	27.4	695
12 OPzS 1500	2	1730	8.3	210	10.8	275	33.3	845
16 OPzS 2000	2	2307	8.4	214	15.7	399	32.3	820
18 OPzS 2250	2	2669	8.3	210	19.2	487	32.3	820
20 OPzS 2500	2	2884	8.3	210	19.2	487	32.3	820
24 OPzS 3000	2	3543	8.3	210	22.7	576	32.3	820
12 PVB 70	12	57	10.9	277	6.9	175	7.4	189
12 PVB 91	12	75	13.9	354	6.9	175	7.4	189
12 PVB 121	12	109	13.5	344	6.8	172	10.9	276
6 PVB 225	6	195	9.6	244	7.5	190	10.6	270
SOL 625 G	1.2	594	6.9	176	9.7	246	16.1	408
SOL 730 G	1.2	693	6.9	176	14.5	368	16.4	416
SOL 935 G	1.2	891	6.9	176	14.5	368	16.4	416
SOL 1245 G	1.2	1188	6.9	176	17.6	448	16.4	416
SOL 1525 G	1.2	1452	6.9	176	22.0	558	16.4	416
SOL 1680 G	1.2	1590	6.9	176	22.0	558	16.4	416
G13EP	12	13	6.91	175.5	3.28	83.3	5.11	129.8
G16EP	12	16	7.15	181.6	3.00	76.2	6.61	167.9
G26EP	12	26	6.57	166.9	6.92	175.8	4.96	126.0
G42EP	12	42	7.77	197.4	6.53	165.9	6.72	170.7
G70EP	12	71	13.0	330.7	6.62	168.1	6.93	176.0
G200EP*	12	200	22.1	561.0	4.90	125.0	12.4	316.0

*Front terminal battery

Powerbloc™ FTP Battery	Nominal voltage (V)	Nominal Capacity (Ah) 20 hr Rate/ 77˚F (25˚C)	Nominal Capacity (Ah) 100 hr Rate/ 77˚F (25˚C)	Length		Width		Height	
				in	mm	in	mm	in	mm
6FTP185	6V	232	255	10.2	259	7.1	180	11.3	287
6FTP215	6V	255	280	11.6	295	7.1	180	11.6	294
6FTP305	6V	380	418	11.6	295	7.1	180	16.8	427
12FTP85	12V	105	115	12.8	325	6.8	173	9.8	249
12FTP105	12V	130	143	13.0	330	6.8	173	9.8	249
12FTP120	12V	155	170	13.1	333	7.1	180	11.4	290
12FTP150	12V	200	220	15.6	396	7.1	180	14.9	378

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Grid-scale Renewables

We continually strive to improve upon our stored energy solutions to be the most environmentally friendly. This has led us to develop battery technologies to meet environmental, economic and technical demands for renewable energy. Our range of batteries for solar panels, wind turbines and hybrid genset system applications have been specially designed to provide high cycling performance and a safe, uninterrupted supply of energy.

Remote Communications Sites

Extreme temperatures, remote locations, increasing power demands the operating conditions driving many of today's solar systems are pushing the limits of battery back-up technology. EnerSys is pushing back the boundaries, delivering more power than conventional lead-acid batteries, in even the hottest, harshest conditions.

OptiGrid™
Stored Energy Solutions

Energy Storage

The OptiGrid™ Stored Energy Solution allows customers to integrate large battery systems providing In Front of the Meter (IFM) solutions for stabilizing the power grid, improving power quality and efficiency and integrating renewables. Small to medium system solutions are also available for Behind the Meter (BTM) applications such as curtailment, demand response and peak shaving.

EnerSys®
Power/Full Solutions

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