

Sump Pump Operating Times During Power Outage

TABLE 1

		Single Battery Operation			
		Pump Current Rating - 6A		Pump Current Rating - 9A	
Battery Size	Battery BCI Group Size	Low Duty Cycle	High Duty Cycle	Low Duty Cycle	High Duty Cycle
		10 seconds on 3 minutes off	10 seconds on 1 minute off	10 seconds on 3 minutes off	10 seconds on 1 minute off

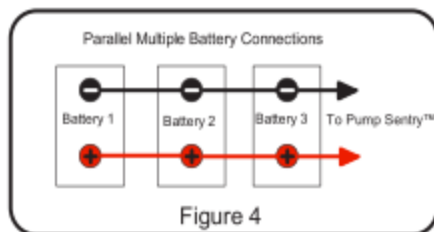
Battery Size	Typical A-Hr.	No. of Batteries	Hours	Hours	Hours	Hours
24	80	1	25.3	8.4	16.9	5.6
27	90	1	28.5	9.5	19.0	6.3
29	95	1	30.1	10.0	20.1	6.7
30	110	1	34.8	11.6	23.2	7.7
31	125	1	39.6	13.2	26.4	8.8
4D	200	1	63.3	21.1	42.2	14.1
8D	245	1	77.6	25.9	51.7	17.2

TABLE 2

		Multiple Battery Operation for Increased Time			
		Pump Current Rating - 6A		Pump Current Rating - 9A	
Battery Size	Battery BCI Group Size	Low Duty Cycle	High Duty Cycle	Low Duty Cycle	High Duty Cycle
		10 seconds on 3 minutes off	10 seconds on 1 minute off	10 seconds on 3 minutes off	10 seconds on 1 minute off

Battery Size	Typical A-Hr.	No. of Batteries	Hours	Hours	Hours	Hours
24	80	2	50.7	16.9	33.8	11.3
27	90	2	57.0	19.0	38.0	12.7
29	95	2	60.2	20.1	40.1	13.4
30	110	2	69.7	23.2	46.4	15.5
31	125	2	79.2	26.4	52.8	17.6
24	80	3	76.0	25.3	50.7	16.9
27	90	3	85.5	28.5	57.0	19.0
29	95	3	90.3	30.1	60.2	20.1
30	110	3	104.5	34.8	69.7	23.2
31	125	3	118.8	39.6	79.2	26.4

How to Connect Multiple Batteries



Features:

- Plug & Play – Can be installed with any sump pump in under 10 minutes.
- Keeps sump pump operating at peak level when power is lost.
- Durable - not a throw-a-way appliance – 10 year life expectancy.
- Specifically designed for pump operation.
- Made in the U.S.A. – Locally serviceable.

Manufactured in the U.S.A. by:



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KEEP YOUR BASEMENT DRY



Pump Sentry
Model 822PS



Main Sump Pump Battery Backup

Why You Need a Pump Sentry™ Battery Backup System

Unfortunately, many of the current backup options available (DC Battery & Water Powered Backups) can leave you vulnerable to flooding. Their flow capacity is less than that of the average sump pump (30%-85% weaker). To make matters worse DC battery backup capacity diminishes as the battery becomes depleted. They are also difficult to install and are made of low quality materials.

Pump Sentry™ products are intended for the owner's peace of mind during a power outage caused by a rainstorm. Pump Sentry™ is designed to keep your primary sump pump operating at peak performance in the absence of utility power (no sacrifice of flow). When the power goes out, Pump Sentry™, automatically switches to battery power and keeps your main sump pump running and your basement dry. When power return, Pump Sentry™ begins to recharge the battery, preparing for the next power outage.

INSIDE FRONT PANEL
AFTER FOLD

DIMENSIONAL SPECIFICATIONS		
Model	Weight (lb.)	Physical Dimensions (in.)
822PS	12	18.5 X 8.4 X 3.5
1622PS	17	22.5 X 8.6 X 3.5
Mounting Hole Centers (in.)	Supplied Cables	
12 X 7.8	BC-42 / 4 ft. #2 gauge	
17 X 8.2	BC-42 / 4 ft. #2 gauge	

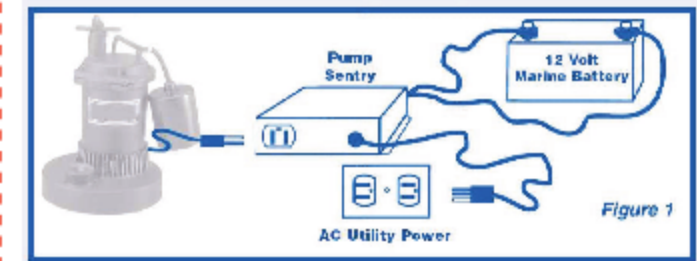
ELECTRICAL SPECIFICATION	
Input Volts	822PS 120 VAC; 60 Hz. 1622PS 120 VAC; 60 Hz.
Maximum Continuous Output Power	1200 Watts 1800 Watts
Start Up Surge Capacity (3 Seconds)	25 Amp. 33 Amp.
Maximum Pump Motor Rating	1/2 Hp. 3/4 Hp.

AUDIO INDICATORS	
Audible Alarm - Imminent Shutdown	When battery level has declined to 10.8V

VISUAL LEDS	
Active When Lit	Indicates that power is present at the output receptacle
Bulk Charge	High Recharge State
Float Charge	Low Recharge State - Battery Almost Full
Fully Charged	Batter is Full - Charging Suspended
Replace Battery	Battery is Degraded from Long Term Use

INSIDE BACK PANEL
AFTER FOLD

Figure 1 shows the interconnections of the Pump Sentry™ system:



Features:

- Plug & Play – Can be installed with any sump pump in under 10 minutes.
- Keeps sump pump operating at peak level when power is lost.
- Durable - not a throw-a-way appliance – 10 year life expectancy.
- Specifically designed for pump operation.
- Made in the U.S.A. – Locally serviceable.
- 2 Year Warranty
- Can accommodate 2 pumps if spec'd appropriately.

How to Install:

1. Mount Unit on Wall or place on shelf
2. Make sure the On/Off switch is in off position
3. Connect Deep Cycle Marine Battery to Pump Sentry using supplied cables
4. Plug your pump into the Pump Sentry
5. Plug the Pump Sentry into the wall
6. Turn the On/Off Switch to On

INSIDE PANEL
AFTER FOLD