

Sump Pump Operating Times During Power Outage

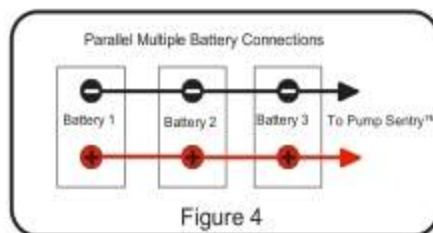
TABLE 1

			Single Battery Operation				
			Pump Current Rating - 6A		Pump Current Rating - 9A		
			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	Battery BCI Group 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		
			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	Battery BCI Group 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.
- 2 Year Warranty
- Can accommodate 2 pumps if spec'd appropriately.

Manufactured in the U.S.A. by:



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KEEP YOUR BASEMENT DRY



Pump Sentry
Model 822PS



Main Sump Pump Battery Backup

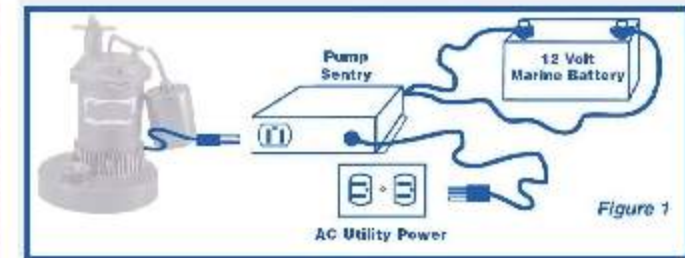
Why You Need a Pump Sentry™ Battery Backup System

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.

ELECTRICAL SPECIFICATION		822PS	1622PS	
Input Volts		120 VAC; 60 Hz.	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				
VISUAL LEDS				
Active When Lit				
Bulk Charge		Indicates that power is present at the output receptacle		
Float Charge		High Recharge State		
Fully Charged		Low Recharge State - Battery Almost Full		
Replace Battery		Batter is Full - Charging Suspended		
		Battery is Degraded from Long Term Use		
DIMENSIONAL SPECIFICATIONS				
Model	Weight (lb.)	Physical Dimensions (in.)	Mounting Hole Centers (in.)	Supplied Cables
822PS	12	18.5 X 8.4 X 3.5	12 X 7.8	BC-42 / 4 ft. #2 gauge
1622PS	17	22.5 X 8.6 X 3.5	17 X 8.2	BC-42 / 4 ft. #2 gauge

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