

SPBS SERIES - BATTERY BACKUP SYSTEMS

FEATURES

SPBS-10HF-6 AND SPBS-12HF-10 SERIES

- 12 VDC backup pump
 - Durable non-corrosive pump housing with stainless steel fasteners
 - Easily removed bottom suction screen for serviceability and maintenance
 - Diaphragm switch activated
 - 115 VAC primary pump
 - Heavy-duty cast iron construction
 - Energy-efficient permanent split capacitor (PSC) motor with automatic reset thermal overload protection
 - 1-1/2" FNPT discharge piping size
 - Lift ring for easy and quick installation
 - Pre-assembled
 - Check valve, elbow connector, and pump coupling
 - Battery box holds size 27, 12 V deep cycle battery (battery not included)
 - *Recommended 12 VDC deep cycle battery, lead acid or AGM
-
- Model 506411
 - 12 VDC backup pump
 - 42 gpm (159 lpm) at 0 ft (0 m) and 20 ft (6.1 m) shut-off
 - 10 amp controller/charger/alarm unit
 - 1/3 hp, 115 VAC primary pump
 - 53 gpm (201 lpm) at 5 ft (1.5 m) of lift and 28 ft (8.5 m) shut-off
 - Model 506410
 - 12 VDC backup pump
 - 53 gpm (201 lpm) at 0 ft (0 m) and 23 ft (7 m) shut-off
 - 12 amp controller/charger/alarm unit
 - 1/2 hp, 115 VAC primary pump
 - 67 gpm (254 lpm) at 5 ft (1.5 m) of lift and 36 ft (11 m) shut-off



SERIES SPECIFICATIONS

ITEM NO. 506411 - MODEL NO. SPBS-10HF-6

Charging Unit														
Item No.	Model No.	Volts	Hz	Max Input Amps at 115 VAC	Max Output Amps at 15 VAC	Watts	Cord (ft)	Weight (lbs)	Battery Leads (ft)					
106469	1210HF	115 VAC	60	3	10	345	6'	5	6'					
Backup Pump Switch														
Item No.	Model No.	Volts	Hz	Switch-On Level	Switch-Off Level	Watts	Cord (ft)	Weight (lbs)	Battery Leads (ft)					
105601	RS-12	12 VDC	-	13.5"	9"	-	7'	0.5	-					
Backup Pump														
Item No.	Model No.	Volts	Hz	Amps		Watts	GPM @ Height in Feet			Shut-Off (ft)	PSI	Cord (ft)	Weight (lbs)	
				FLA	Start		0'	5'	10'					
106963	2500	12 VDC	-	14	32	168	42	29	20	20'	8.7	6'	6	
Primary Pump														
Item No.	Model No.	Volts	Hz	Hp	Amps FLA	Watts	GPM @ Height in Feet				Shut-Off (ft)	PSI	Cord (ft)	Weight (lbs)
							5'	10'	15'	20'				
506807	6EC-CIA-SFS	115 VAC	60	1/3	5	600	53	50	42	34	28'	11.7	10'	30

ITEM NO. 506410 - MODEL NO. SPBS-12HF-10

Charging Unit														
Item No.	Model No.	Volts	Hz	Max Input Amps at 115 VDC	Max Output Amps at 12 VDC	Watts	Cord (ft)	Weight (lbs)	Battery Leads (ft)					
106486	1212HF	115 VAC	60	3	12	345	6'	5	6'					
Backup Pump Switch														
Item No.	Model No.	Volts	Hz	Switch-On Level	Switch-Off Level	Watts	Cord (ft)	Weight (lbs)	Battery Leads (ft)					
105601	RS-12	12 VDC	-	13.5"	9"	-	9'	0.5	-					
Backup Pump														
Item No.	Model No.	Volts	Hz	Amps		Watts	GPM @ Height in Feet				Shut-Off (ft)	PSI	Cord (ft)	Weight (lbs)
				FLA	Start		0'	5'	10'	15'				
106961	3360	12 VDC	-	15	32	180	53	39	24	13	23'	10	6'	6
Primary Pump														
Item No.	Model No.	Volts	Hz	Hp	Amps FLA	Watts	GPM @ Height in Feet				Shut-Off (ft)	PSI	Cord (ft)	Weight (lbs)
							5'	10'	20'	30'				
510803	10EC-CIA-SFS	115 VAC	60	1/2	6.5	750	67	57	47	28	36'	15.6	10'	26

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 - Easily removed bottom suction screen for serviceability and maintenance
- Diaphragm switch
- Check valve, elbow connector, and pump coupling
- Battery box holds size 27, 12 V deep cycle battery (battery not included)
 - * Recommended 12 VDC deep cycle battery, lead acid or AGM
- Model 506406
 - 12 VDC backup pump
 - 42 gpm (159 lpm) at 0 ft (0 m) and 20 ft (6.1 m) shut-off
 - 10 amp controller/charger/alarm unit
- Model 506407
 - 12 VDC backup pump
 - 53 gpm (201 lpm) at 0 ft (0 m) of lift and 23 ft (7 m) shut-off
 - 12 amp controller/charger/alarm unit



SERIES SPECIFICATIONS

ITEM NO. 506406 - MODEL NO. SPBS-10HF

Charging Unit													
Item No.	Model No.	Volts	Hz	Max Input Amps at 115 VAC	Max Output Amps at 115 VAC	Watts	Cord (ft)	Weight (lbs)	Battery Leads (ft)				
106469	1210HF	115 VAC	60	3	10	345	6'	5	6'				
Backup Pump Switch													
Item No.	Model No.	Volts	Hz	Switch-On Level	Switch-Off Level	Watts	Cord (ft)	Weight (lbs)	Battery Leads (ft)				
105601	RS-12	12 VDC	-	13.5"	9"	-	9'	0.5	-				
Primary Pump													
Item No.	Model No.	Volts	Hz	Amps		Watts	GPM @ Height in Feet			Shut-Off (ft)	PSI	Cord (ft)	Weight (lbs)
				FLA	Start		0'	5'	10'				
106963	2500	12 VDC	-	14	32	168	42	29	20	20'	8.7	6'	6

ITEM NO. 506407 - MODEL NO. SPBS-12HF

Charging Unit														
Item No.	Model No.	Volts	Hz	Max Input Amps at 115 VDC	Max Output Amps at 12 VDC	Watts	Cord (ft)	Weight (lbs)	Battery Leads (ft)					
106486	1212HF	115 VAC	60	3	12	345	6'	5	6'					
Backup Pump Switch														
Item No.	Model No.	Volts	Hz	Switch-On Level	Switch-Off Level	Watts	Cord (ft)	Weight (lbs)	Battery Leads (ft)					
105601	RS-12	12 VDC	-	13.5"	9"	-	9'	0.5	-					
Primary Pump														
Item No.	Model No.	Volts	Hz	Amps		Watts	GPM @ Height in Feet				Shut-Off (ft)	PSI	Cord (ft)	Weight (lbs)
				FLA	Start		0'	5'	10'	15'				
106961	3360	12 VDC	-	15	32	180	53	39	24	13	23'	10	6'	6

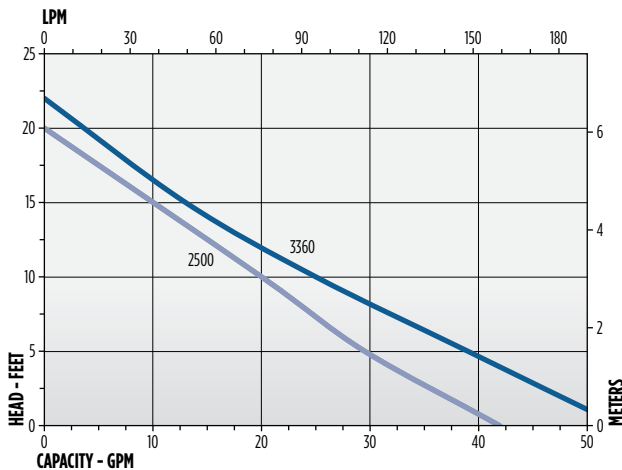
SPBS SERIES - BATTERY BACKUP SYSTEMS

FEATURES

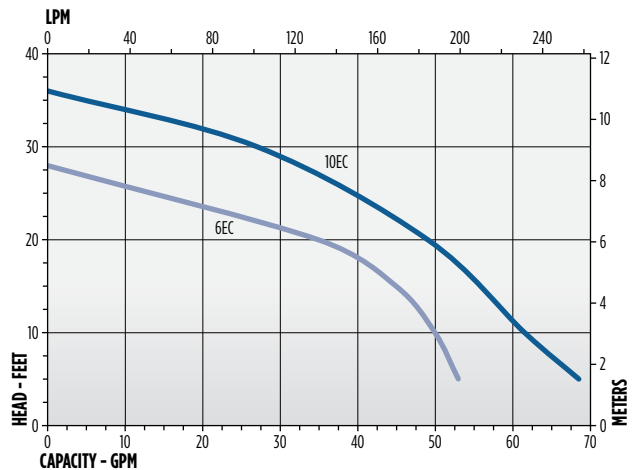
CONTROLLER/CHARGER/ALARM

- Input: 120 VAC, 3 Amp
- Output (Maximum Charging Current):
 - Model 1210HF: 12 VDC, 10 Amps with SPBS-10HF and SPBS-10HF-6
 - Model 1212HF: 12 VDC, 12 Amps with SPBS-12HF and SPBS-12HF-10
- Use only with 12 VDC deep cycle battery rated 85-140Ah, lead-acid or AGM
 - A controller/charger monitors the battery condition and charges the battery when required. It also alerts the homeowner when the system has operated or when possible flooding conditions exist.
 - Microprocessor controlled charging unit maintains a maximum battery charge. Built-in overcharge protection to prevent damage to the battery.
 - Battery continually monitored to maintain full charge
 - Test button to manually run backup pump to ensure proper operation
 - Protects against reverse polarity, short circuits, and input overloads
 - Audible alarm during 12 VDC pump operation
 - Indicator lights (LED) for:
 - Power On
 - Charging
 - Pump Run
 - High Water
 - Battery Charge Level
 - Replace Fuse

PERFORMANCE



SPBS-10HF and SPBS-12HF, 12 VDC Backup Sump Pump

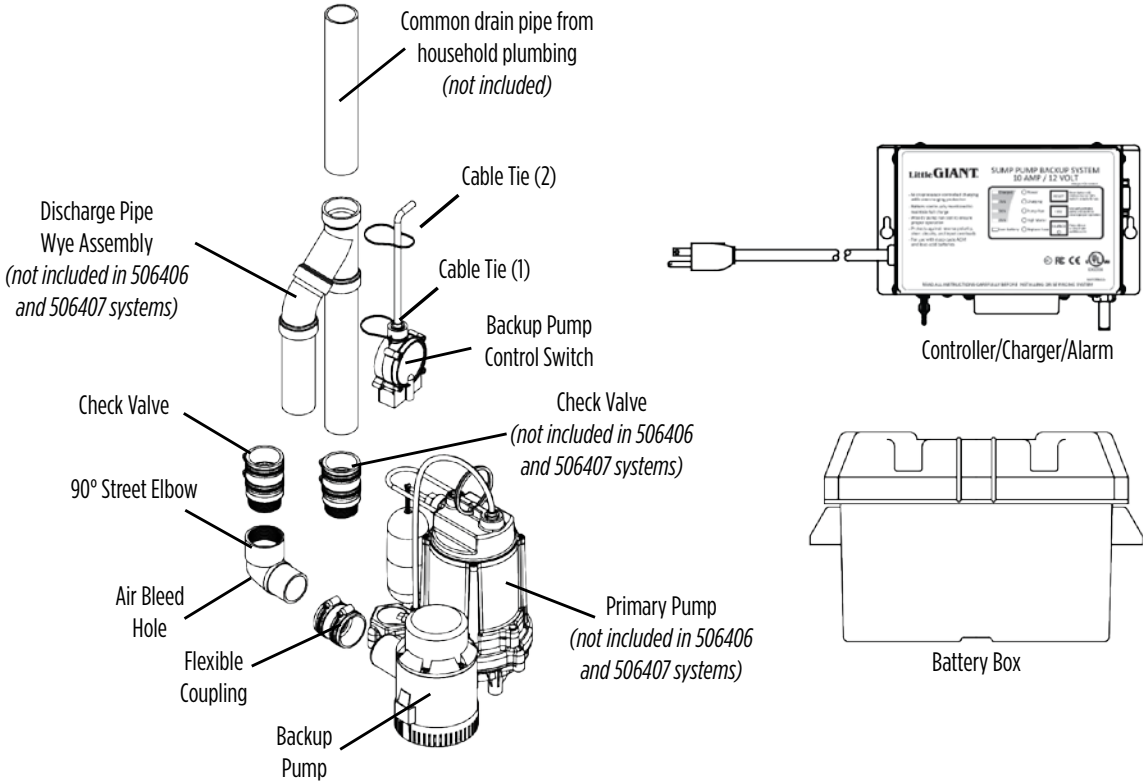


6EC - SPBS-10HF-6, 1/3 hp Primary Pump
10EC - SPBS-12HF-10, 1/2 hp Primary Pump

BATTERY BACKUP

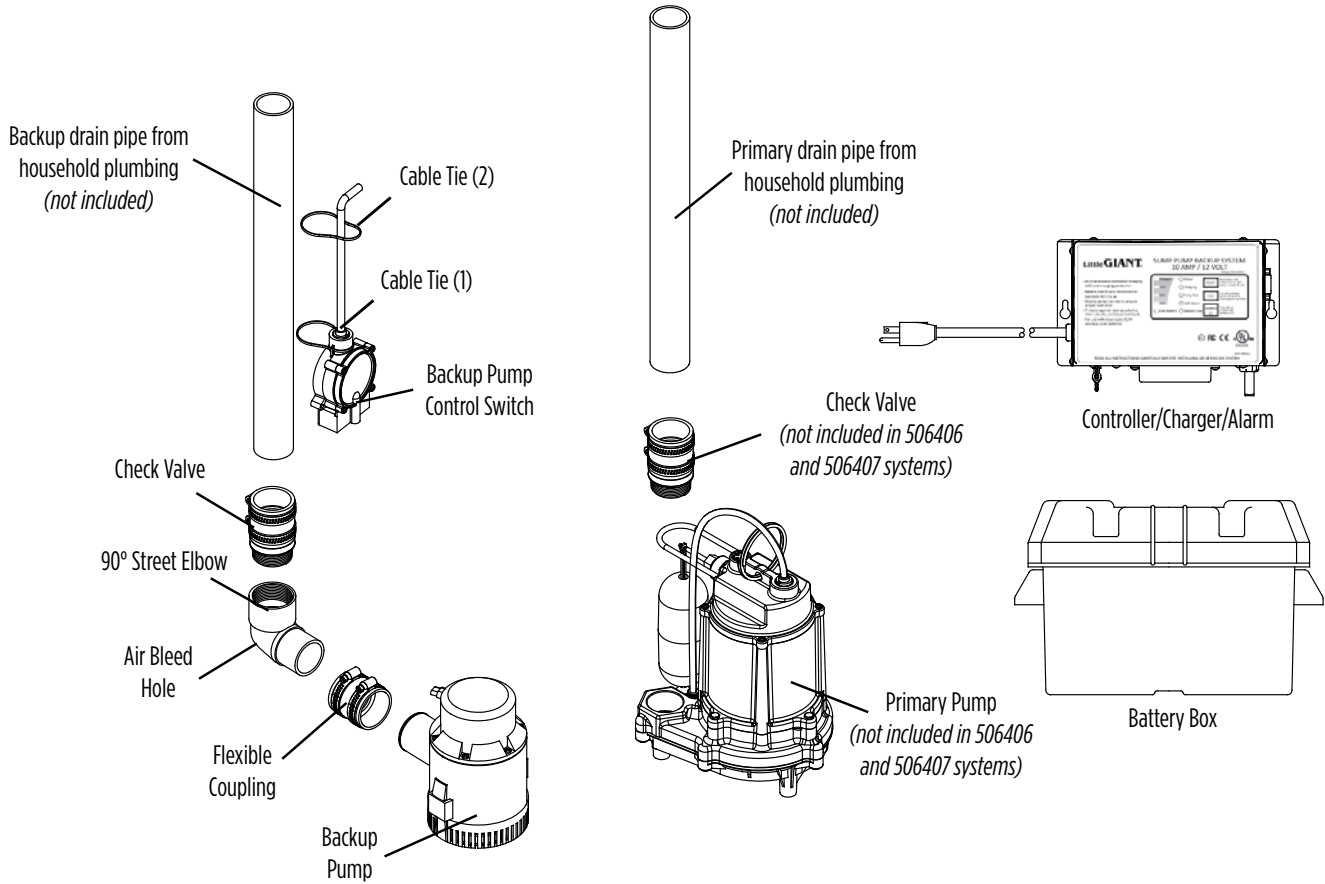
SPBS SERIES - BATTERY BACKUP SYSTEMS

BACKUP SYSTEM ON A COMMON DISCHARGE



SPBS SERIES - BATTERY BACKUP SYSTEMS

BACKUP SYSTEM ON A SEPARATE DISCHARGE



BATTERY BACKUP

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TYPICAL INSTALLATION

