

# Auxiliary Catalog

Pumps Controllers Packages Systems Accessories



**Take Control.**  
**ion Technologies**

A division of Metropolitan Industries, Inc.

37 Forestwood Dr., Romeoville, IL 60446

[www.ionproducts.net](http://www.ionproducts.net)

(815) 886-9200



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# Ion®

**3 YEAR**  
WARRANTY



## Digital Level Control Switch

- Rated for use in both sump and sewage pump applications
- Solid state sensing technology with no moving parts to wear or fail
- Will work with any 115 volt pump up to 15 amps
- Longer pumping differential means it will pump more water less frequently
- 10 and 20 foot cord options are available

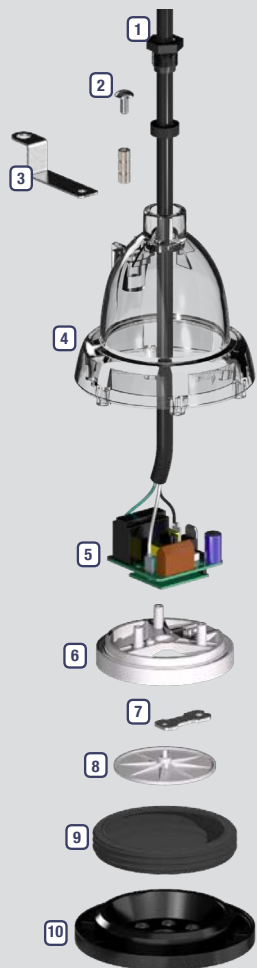


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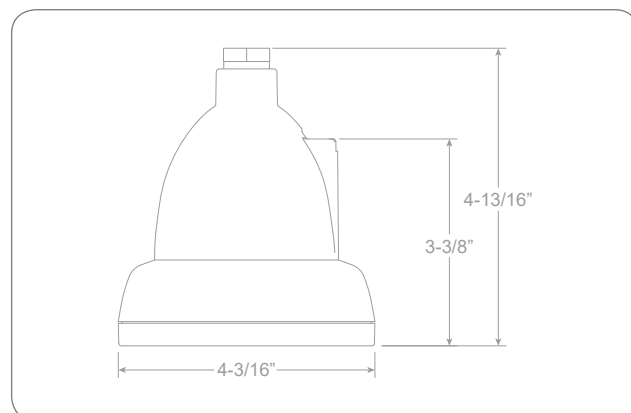
Patent No. 8,591,198,  
9,033,686 and 9,680,401

### Assembly View

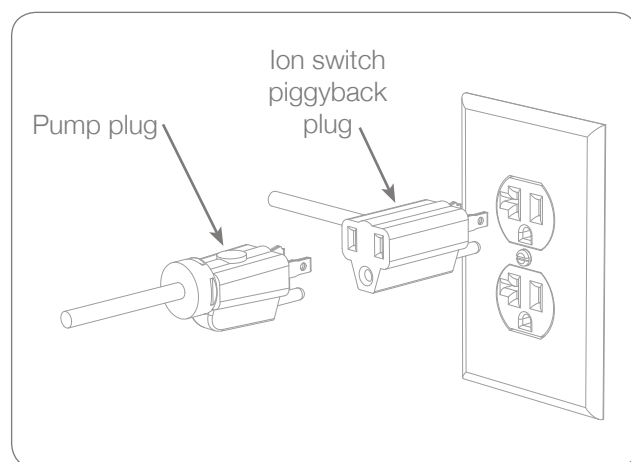
1. Cord strain relief follower
2. Mounting arm screw
3. Switch mounting arm
4. Top housing
5. Control and logic boards
6. Switch bracket
7. Strain gauge
8. Pressure plate
9. Diaphragm with integrated o-ring gasket
10. Diaphragm guard



### Switch Dimensions



### Piggyback Plug Illustration



### System Specifications

- Type of Application: Sump and sewage
- Voltage: 115 volt
- Amp Rating: 13 FLA, 15 amp max
- Power Cord: 10' or 20'

- Pump Range: 6" or 8.5"
- 3 year warranty
- Part Number (Sump): iN-006-010-10PA-B
- Part Number (Sewage): iN-085-010-10PA-B

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**Ion+**<sup>TM</sup>

**3 YEAR**  
WARRANTY



## Digital Level Control with High Water Alarm

- World's first digital piggyback style sump & sewage pump level control sensor with integrated alarms
- Provides alarm notification via an audible alarm, LED indicators, and dry alarm contact
- Device can be connected to external alarm notification systems such as our Ion Gateway<sup>®</sup> or MetroMail<sup>™</sup> systems, for real-time notification capability
- Ion<sup>®</sup> digital level control technology provides superior performance and reliability when compared to industry standard mechanical pump switches

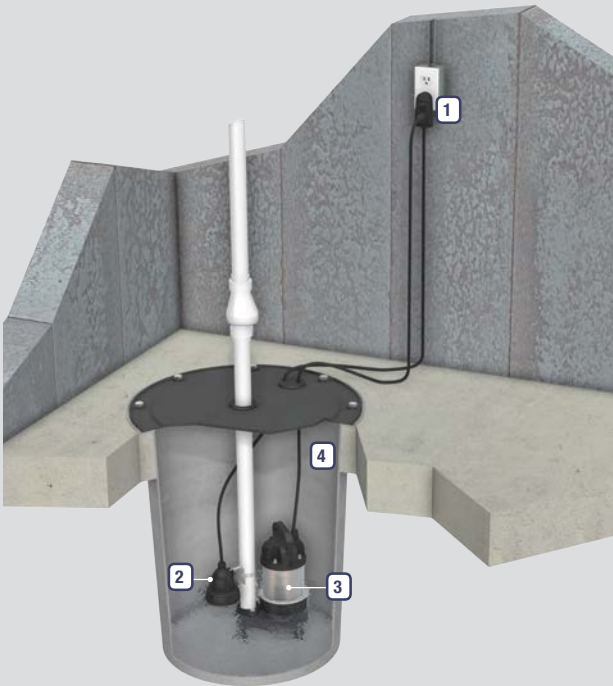


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Patents Pending,  
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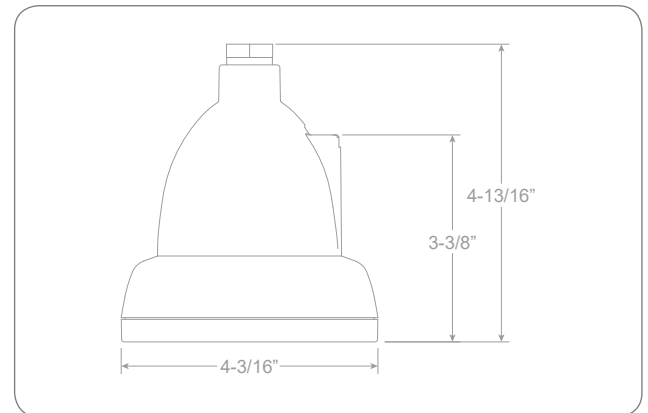


### Typical Installation Diagram

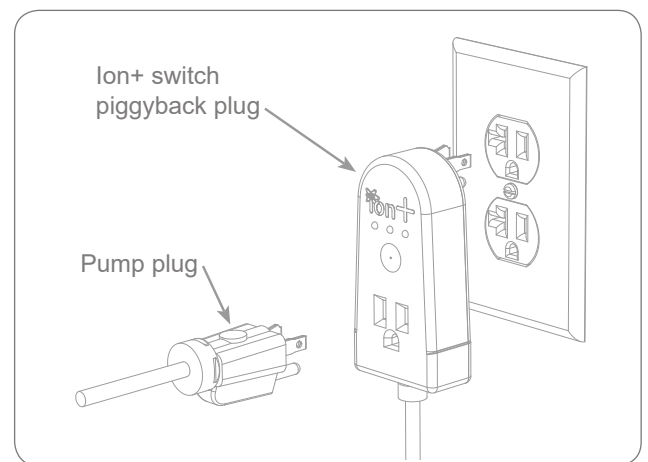


1. Ion+ piggyback plug with audible alarm and visual status LEDs
2. Ion+ digital level control sensor
3. Standard Ion Technologies pump (not included)
4. Basin (not included)

### Switch Dimensions



### Piggyback Plug Illustration



### System Specifications

- Built in alarm and monitoring system
- Power, system and high water LEDs indicate system status
- Audible alarm
- Dry contact
- Remote alarm port - type RJ11
- First of a kind solid-state sensing technology with no moving parts
- Starts and stops pump via the piggyback pump power receptacle
- Multipoint sealing mechanism that supersedes single surface seals
- Inverter rated for use with most battery backup systems
- No contact points
- 3 year warranty
- Part Number: iNP20306

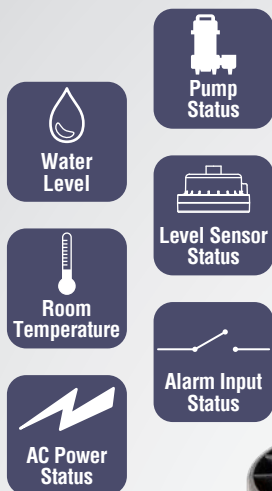
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JUST ASK  
amazon alexa



Smart speaker not included



Phone not included

# Ion+ Connect™

1 YEAR  
WARRANTY



## Sump Pump Alarm System

The Ion+ Connect is a residential sump/sewage ejector pump controller equipped with the revolutionary Ion® level sensor and an integrated communication module. It is designed to operate one or two pumps, alternating or simultaneously, with combined amp draws of 12 amps. The device can sense up to 72" of water, has customizable start/stop/alert levels, and provides notifications set up via a dedicated app for alerts such as high water, pump fail, power fail, and many more.

- 4G cellular or WiFi (monthly charges apply)
- Status updated & setting adjustments via dedicated app, website or any smart device
  - Temperature control for HVAC issues
  - Power loss and power restored alerts
  - Alerts when the pump has failed
- Multi-user privilege settings perfect for property managers & contractors
- Notifications via voice, push notifications and email
- True duplex operation, run both pumps at the same time
- Integration with the Amazon Alexa Smart Control Speaker
- Fully customizable set points, up to 72"
- Remote alarm contact for additional notifications available for alarm monitoring systems
- Intrinsically safe barrier available
- Part Number: iNPC20428



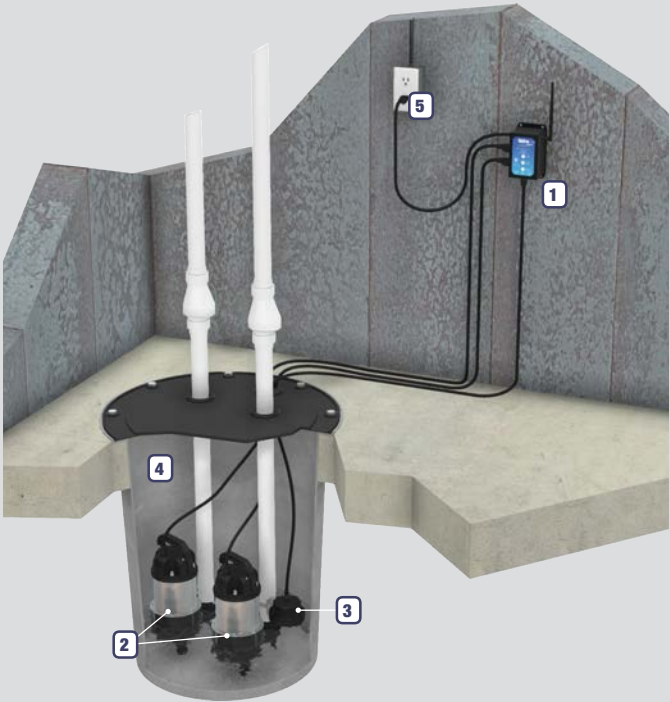
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Patents Pending,  
Patent No. 8,591,198,  
9,033,686 and 9,680,401

# Ion+ Connect™

Sump Pump Alarm System

## Typical Installation Diagram



1. Ion+ Connect controller
2. Ion digital level control sensor
3. Sump pumps (not included)
4. Basin (not included)
5. Dedicated 120 volt outlet

## Product Features



1. Ion Digital Level Sensor: Communicates water level to the Ion+ Connect controller
2. Status LEDs: Indicate the power, pump, alarm, and cellular status of the system
3. Pump plug receptacles
4. Battery: Powers the Ion+ Connect to warn of AC power loss
5. Pump Test button
6. Silence/Reset button
7. Lock/Unlock button
8. Remote Alarm Contact jack
9. Digital Level Sensor jack
10. Remote Alarm Input jack



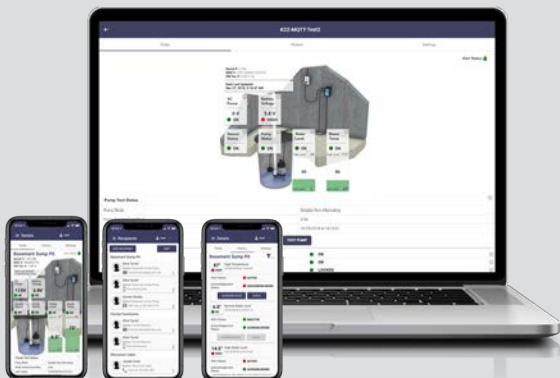
JUST ASK  
amazon alexa

"Alexa, what is my sump pit water level?"

"Your sump pit level is OK at 6 inches."

You can talk to Amazon Alexa about your Ion+ Connect. With the Ion+ Connect Skill for Alexa, you can ask what your sump pit's water level is, what the ambient room temperature is, test your pump, and more. Alexa lives in the cloud, so it's always getting smarter, adding new capabilities that are delivered to your device automatically. Using Alexa on your Ion+ Connect is simple and hands-free – just ask, and Alexa will respond instantly.

Monitor and control your pump through a dedicated mobile app and/or webpage.



### Two Different Notification Modes

- All at Once - Sends notifications to all recipients
- One at a Time - Sends notifications to one recipient at a time with acknowledgements/remote silence

### Monitored Conditions

- Water Level
- Room Temperature
- Pump Status
- Sensor Status
- AC Power
- Battery Voltage
- Cellular Status
- Cloud Status
- Locked Status
- Remote Alarm Input
- Remote Alarm Output





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# Ion Genesis®

**3 YEAR  
WARRANTY**



## Smart Controller and Sensors

The Ion Genesis is a first of a kind digital pump controller that is designed to operate one or two pumps, alternating or simultaneously, with combined amp draws of 12 amps. The Ion® digital level sensors are used in place of standard float switches and allow for an adjustable on level from 2.5" to 72" in 0.5" increments. The Ion Genesis controller incorporates smart sensing technology that utilizes critical system information such as pump amp draw, how long the pump operates, water level, and many more features.

You can collect and analyze system data never before possible with the level sensor controllers. Any change or variation in your system performance will sound an alarm or alert of possible equipment failure before flooding occurs. This new technology allows you to adjust the turn on level of your system without removing the system cover.



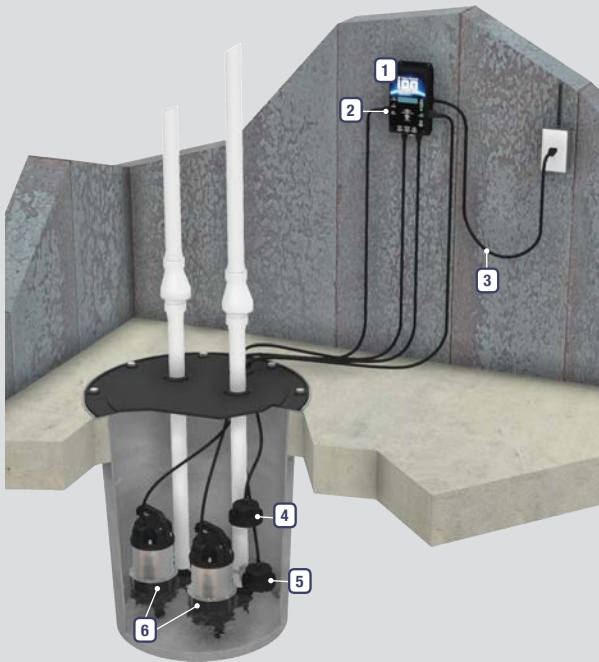
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Patent No. 8,591,198, 9,033,686,  
9,680,401, 8,907,789 and 9,958,878

# Ion Genesis®

Smart Controller and Sensors

## Typical Installation Diagram



1. Ion Genesis
2. Pump outlets
3. Power cord
4. High water sensor
5. Digital level sensor
6. Pumps (not included)

## System Features



1. LED Lights: Indicate when the pump or pumps are running, system power, and alarm mode.
2. LCD Screen: Displays vital equipment data and alarm notifications.
3. Plug & Play Outlets: Pump(s) plug directly into controller just as they would a wall outlet.
4. Ion Digital Level Sensor: Communicates system levels to the Ion Genesis controller.
5. Ion Digital High Water Sensor: Detects high water and also acts as a secondary switch in case the primary Ion sensor fails.
6. Remote Alarm Contact: Connects to optional dialer or existing security system for remote monitoring when you're away.
7. Reset/Test Button: Allows user to manually test system without having to access basin.
8. On Level: Manually adjust the pumping turn on level from 2.5" to 72" in 0.5" increments.

## System Specifications

- Featuring Ion digital level sensors
  - First of its kind solid-state sensing technology with no moving parts
  - Multipoint sealing mechanism that supersedes single surface seals
- Voltage: 120 VAC, 60 Hz
- Output Capacity (per outlet): 1/2 HP, 12 FLA, 15 amp max, 72 LRA
- Remote Alarm Contacts: Normally closed (open during alarm state) 30 V/DC @ 1 amp max
- Temperature Range: 32° F to 104° F (0° C to 40° C)
- Audible Alarm: 80 dB @ 10 ft.
- Enclosure: NEMA-1 UL94V-0 ABS
- Mounting Hardware (controller): (4) #10 Screws (not included)
- Mounting Dimensions (controller): 8.25" X 3.5"
- 3 year warranty
- Part Number: iNG20503



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# StormPro 2100DC

3 YEAR  
WARRANTY



## Battery Backup System

- High quality DC pump capable of pumping over 2,100 gallons per hour
- Heavy duty adjustable vertical float switch for maximum reliability
- High output 8 amp charger unit with 5 charging stages
- Safe for use with AGM maintenance free batteries
- Built-in audible alarm and indicator lights for added protection
- Pump base keeps the pump off the bottom of the basin to avoid clogging from debris
- UL listings ensure reliability

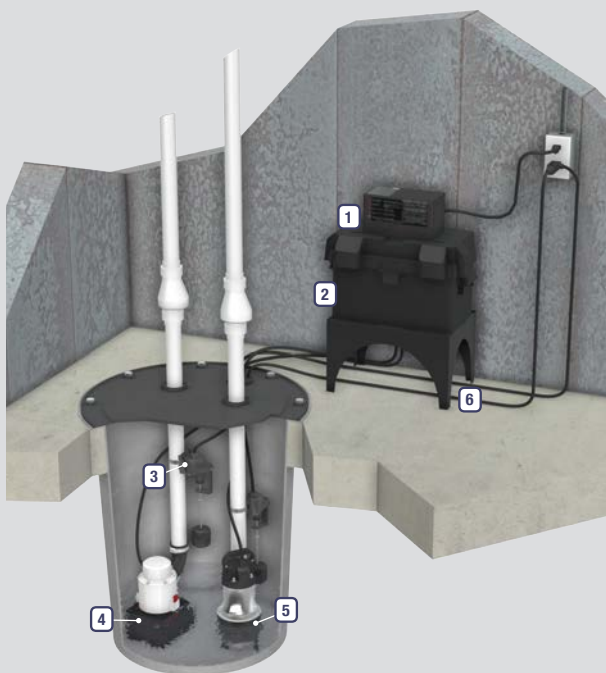


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# StormPro® 2100DC

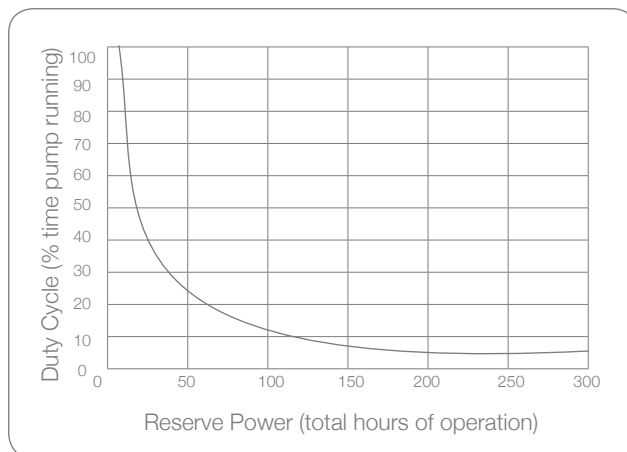
Battery Backup System

## Typical Installation Diagram



1. 8 amp charger unit
2. Battery box
3. Backup switch
4. 12 volt backup pump
5. Primary sump pump (not included)
6. Stand (optional)

## System Performance



## System Specifications

- Includes 12 volt DC pump, pump base, battery box, heavy duty float switch, and 8 amp charger with built-in audible alarm and status lights
- Input Voltage: AC
- Output Voltage: DC
- Pump Type: 12 volt DC submersible
- Capacity: 35 GPM / 2,100 GPH @ 10'
- Uses one 12 volt deep cycle AGM battery (battery is NOT included)
- 1-1/2" FNPT connection
- Options: Stand, battery add-on kit, automatic phone dialer
- 3 year warranty
- Part Number: Mi20106

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# JSPII & JSPIII

**3 YEAR**  
WARRANTY



## Preassembled Sump & Battery Backup Systems

- All-in-one system with primary and backup pump
- Comes completely assembled with pumps and valves pre-plumbed
- Simply drop into your existing basin and make one discharge connection
- 3 year warranty
- JSPIII available with the BA33i
- JSPII Part Number: MKP20268
- JSPIII Part Number: MKP20291



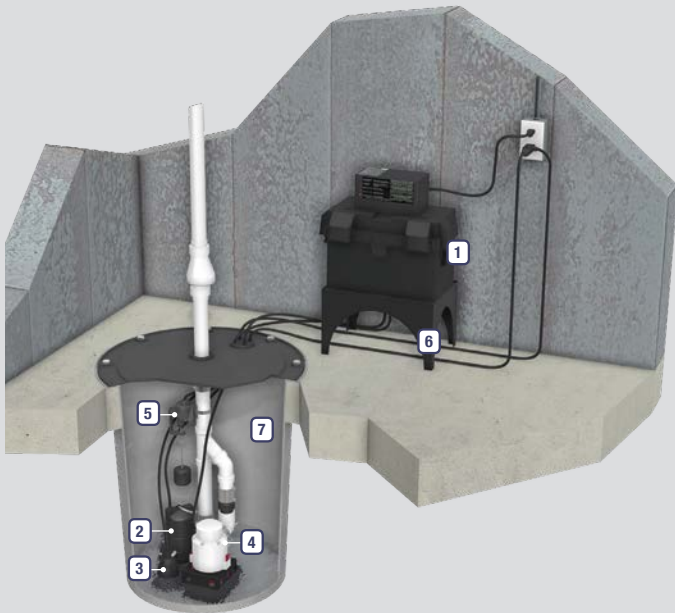
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Patent No. 8,591,198,  
9,033,686 and 9,680,401

# JSPII & JSPIII

## Preassembled Sump & Battery Backup System

### Typical Installation Diagram

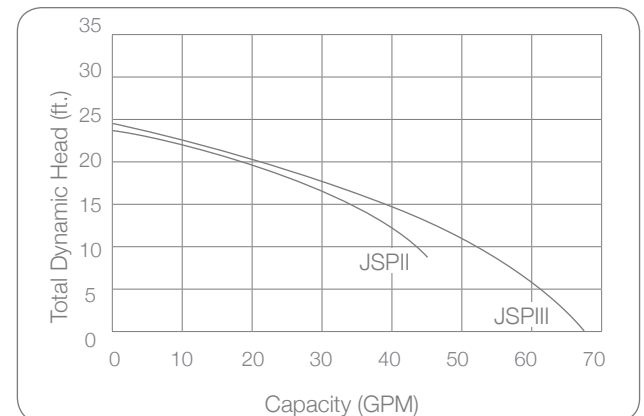


1. Battery box with DC charger
2. 1/3 HP primary pump
3. Ion® digital level control switch
4. Backup pump
5. Backup vertical switch
6. Stand (optional)
7. Recommended minimum basin size: 18" x 24" (not included)

### Primary Pump Specifications

Maximum Capacity	Up to 45 GPM (JSPII) Up to 68 GPM (JSPIII)
Maximum Head	Up to 24' (JSPII) or 25' (JSPIII)
Electrical Data	115 V, 1 Ø, 4 FLA (JSPII) or 4.5 FLA (JSPIII), 60 Hz
Motor Data	1/3 HP, PSC, high efficiency motor with thermal overload protection, 3450 RPM
Recommended Minimum Basin Size	18" x 24"
Materials of Construction	Cast iron and engineered thermoplastic (JSPII) Cast iron and stainless steel (JSPIII)
Impeller	Thermoplastic vortex
Power Cord	10' Standard
Discharge	1-1/2" NPT
Solids Handling	1/2"

### Primary Pump Performances



### Battery Backup System Features

- Primary pump with high efficiency oil filled motor that uses half the power of most 1/3 HP pumps
- Piggyback Ion digital level control primary switch with no moving parts
- High quality 2100DC battery backup pump rated for 2,100 GPH
- Backup pump base keeps the pump off the bottom of the basin to avoid clogging from debris
- Heavy duty adjustable vertical backup float switch for maximum reliability
- Solid state 8 amp charger unit with 5 charging stages automatically switches to DC mode when power is out
- Built-in audible alarm and indicator lights on charger for added protection
- Uses one 12 volt deep cycle AGM battery (battery is NOT included)
- 1-1/2" schedule 40 PVC piping
- Check valve on each pump and a combination valve on the main discharge
- 3 year warranty



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**44 GPM**  
@ 10' TDH



MPPII

**55 GPM**  
@ 10' TDH



MPPIII



Package is available with the cellular/WiFi capable Ion+ Connect controller (above) in place of the standard Ion Genesis controller

## MPPII & MPPIII

**3 YEAR  
WARRANTY**



### Power Pac System

- (2) 1/3 HP pumps with PSC motor
- Recommended minimum basin size: 18 x 24"
- Includes Ion Genesis® controller, 1-1/2" check valve and 1-1/2" schedule 40 PVC piping
- Every cycle alternates to the other pump
- Built-in alarm system
- Low amp draw pumps 4 amps (MPPII) or 4.5 amps (MPPIII)
- Each pump rated up to 2700 GPH (MPPII) or 3180 GPH (MPPIII)
- Factory built; easy and quick to install
- 3 year warranty



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Patents Pending,  
Patent No. 8,591,198, 9,033,686,  
9,680,401, 8,907,789 and 9,958,878



# MPPII & MPPIII

Power Pac System

## Typical Installation Diagram



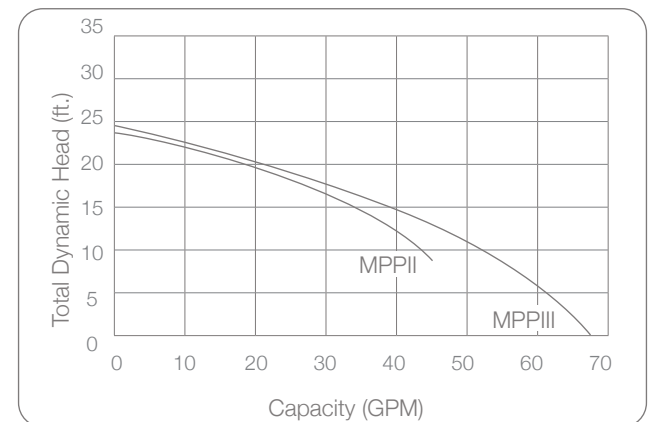
1. Ion Genesis
2. Pump outlets
3. Power cord
4. High water sensor
5. Digital level sensor
6. Pumps

- MPPII with **Ion Genesis** - Part Number: **MPK20270**  
 MPPII with **Ion+ Connect Cellular** - Part Number: **MPK20488**  
 MPPII with **Ion+ Connect WiFi** - Part Number: **MPK20491**  
 MPPIII with **Ion Genesis** - Part Number: **MPK20316**  
 MPPIII with **Ion+ Connect Cellular** - Part Number: **MPK20489**  
 MPPIII with **Ion+ Connect WiFi** - Part Number: **MPK20494**

## Primary Pump Specifications

Maximum Capacity	Up to 45 GPM (MPPII) Up to 68 GPM (MPPIII)
Maximum Head	Up to 24' (MPPII) or 25' (MPPIII)
Electrical Data	115 V, 1 Ø, 4 FLA (MPPII) or 4.5 FLA (MPPIII), 60 Hz
Motor Data	1/3 HP, PSC, high efficiency motor with thermal overload protection, 3450 RPM
Recommended Minimum Basin Size	18" x 24"
Materials of Construction	Cast iron and engineered thermoplastic (MPPII) Cast iron and stainless steel (MPPIII)
Impeller	Thermoplastic vortex
Power Cord	10' Standard
Discharge	1-1/2" NPT
Solids Handling	1/2"

## Primary Pump Performances



## MPPII System Features

- Carbon ceramic mechanical seal
- Oil-filled high efficiency PSC motor that uses half the AC power of most 1/3 HP pumps
- Ion® digital level control sensors have no moving parts (standard)
- 3 year warranty

## MPPIII System Features

- Thermal overload protection
- Energy efficient motor
- Carbon ceramic mechanical seal
- Stainless steel screen prevents debris from entering the pump
- 3 year warranty

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Package is available with the cellular/WiFi capable ion+ Connect controller (above) in place of the standard ion+ controller

# 30ACi+

**44 GPM**

@ 10' TDH

**3 YEAR  
WARRANTY**



## Battery Backup System

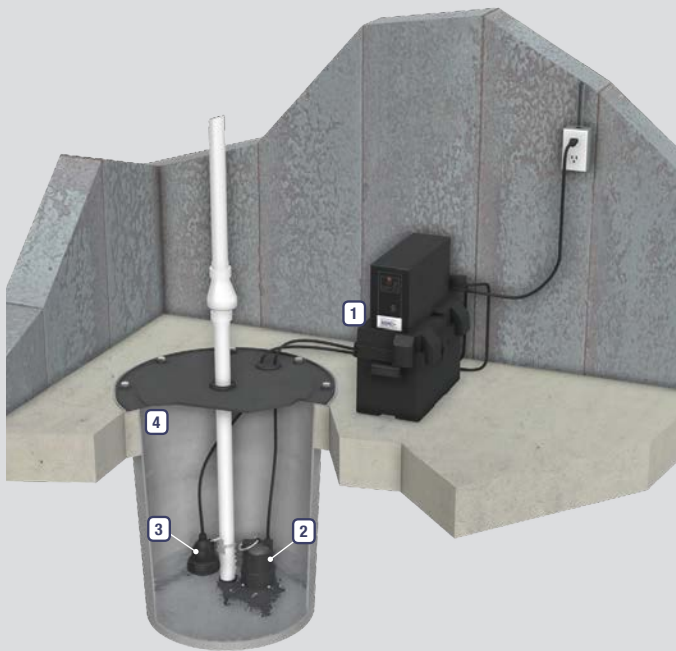
- Fully automatic auxiliary power source
- Backup system runs on AC or DC power
- Runs the same 1/3 HP pump with power on or off
- Ion+® digital level control sensor with integrated alarms



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### Typical Installation Diagram



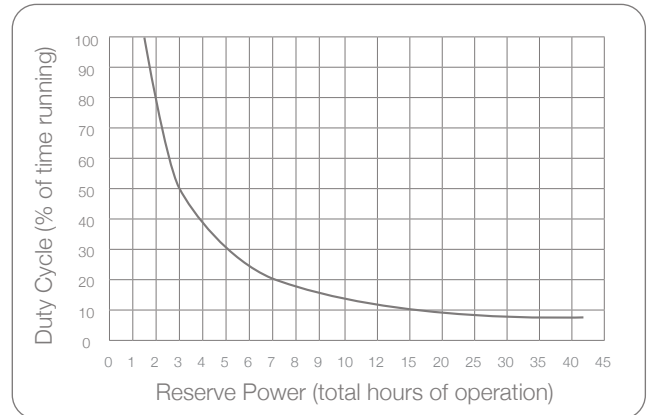
1. Battery box with inverter
2. 1/3 HP WC33 sump pump
3. Ion+ digital level control/alarm sensor
4. Recommended minimum basin size:  
18" x 24" (not included)

30ACi+ with **Ion+** - Part Number: **MET20372**

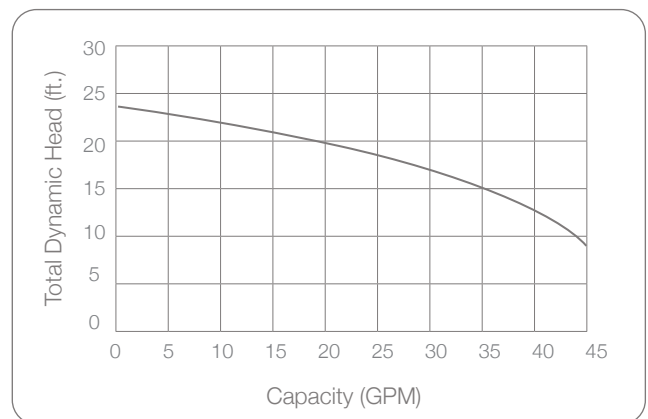
30ACi+ with **Ion+ Connect Cellular** - Part Number: **MET20487**

30ACi+ with **Ion+ Connect WiFi** - Part Number: **MET20493**

### System Performance



### Pump Performance



### System Specifications

- 1/3 HP pump with PSC, energy efficient motor: 4.0 amps
- Up to 45 GPM
- Fully automatic, converts 12 volt DC to 120 volt AC when utility power is lost
- Runs 1/3 HP pump on AC or DC power
- Inverter has digital display, tells status of system at all times
- Requires one 12 volt deep cycle AGM battery (battery is NOT included)
- Non-corrosive battery enclosure
- Includes piggyback Ion+ digital level control/alarm sensor with no moving parts
  - Built-in alarm and monitoring system with Power, System and High Water LEDs and audible alarm
  - Dry contacts to connect to a monitoring device via an RJ11 connection
- Quick and easy installation
- 3 year warranty

# Take Control. ion Technologies

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Package is available with the cellular/WiFi capable ion+ Connect controller (above) in place of the standard ion+ controller

## 35ACi+

55 GPM

@ 10' TDH

3 YEAR  
WARRANTY



### Battery Backup System

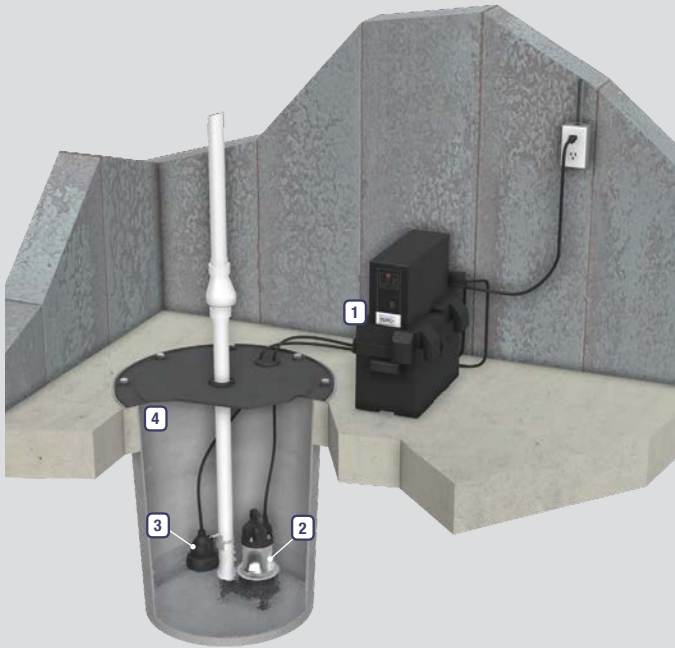
- Fully automatic auxiliary power source
- Backup system runs on AC or DC power
- Runs the same 1/3 HP pump with power on or off
- Ion+® digital level control sensor with integrated alarms



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Patent No. 8,591,198,  
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### Typical Installation Diagram



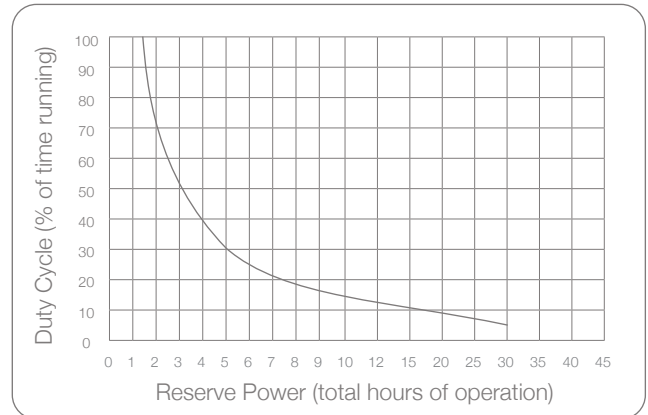
1. Battery box with inverter
2. 1/3 HP BA33 sump pump
3. Ion+ digital level control/alarm sensor
4. Recommended minimum basin size:  
18" x 24" (not included)

35ACi+ with **Ion+** - Part Number: **MET20375**

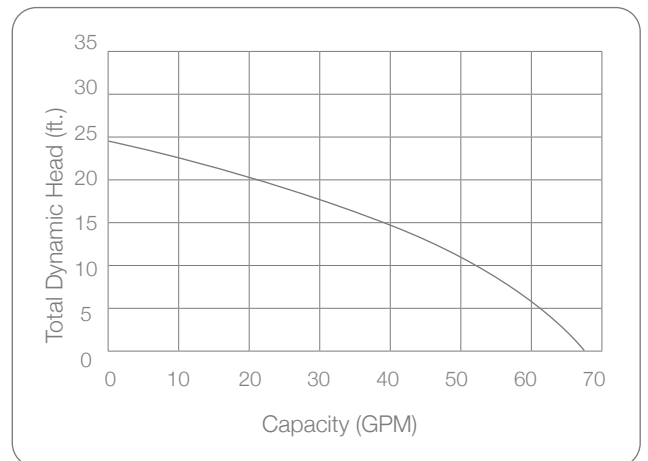
35ACi+ with **Ion+ Connect Cellular** - Part Number: **MET20497**

35ACi+ with **Ion+ Connect WiFi** - Part Number: **MET20500**

### System Performance



### Pump Performance



### System Specifications

- 1/3 HP pump with PSC, energy efficient motor: 4.5 amps
- Up to 68 GPM
- Fully automatic, converts 12 volt DC to 120 volt AC when utility power is lost
- Runs 1/3 HP pump on AC or DC power
- Inverter has digital display, tells status of system at all times
- Requires one 12 volt deep cycle AGM battery (battery is NOT included)
- Non-corrosive battery enclosure
- Includes piggyback Ion+ digital level control/alarm sensor with no moving parts
  - Built-in alarm and monitoring system with Power, System and High Water LEDs and audible alarm
  - Dry contacts to connect to a monitoring device via an RJ11 connection
- Quick and easy installation
- 3 year warranty



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Package is available with the cellular/WiFi capable ion+ Connect controller (above) in place of the standard ion+ controller

# 55ACi+

**65 GPM**

@ 10' TDH

**3 YEAR  
WARRANTY**



## Battery Backup System

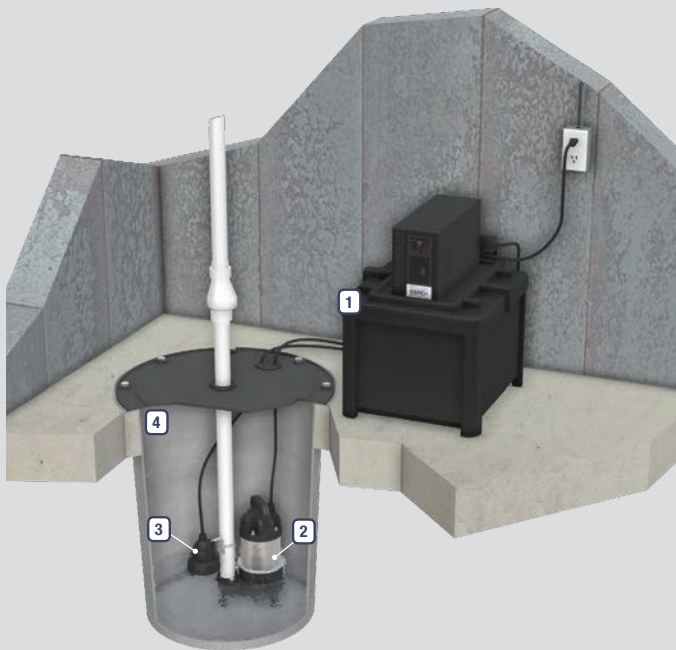
- Fully automatic auxiliary power source
- Backup system runs on AC or DC power
- Runs the same 1/2 HP pump with power on or off
- Ion+® digital level control sensor with integrated alarms



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### Typical Installation Diagram



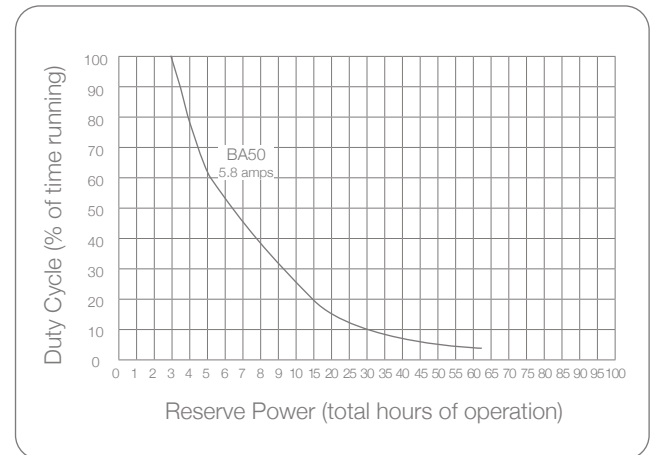
1. Battery box with inverter
2. 1/2 HP BA50 sump pump
3. Ion+ digital level control/alarm sensor
4. Recommended minimum basin size:  
18" x 24" (not included)

55ACi+ with **Ion+** - Part Number: **MET20361**

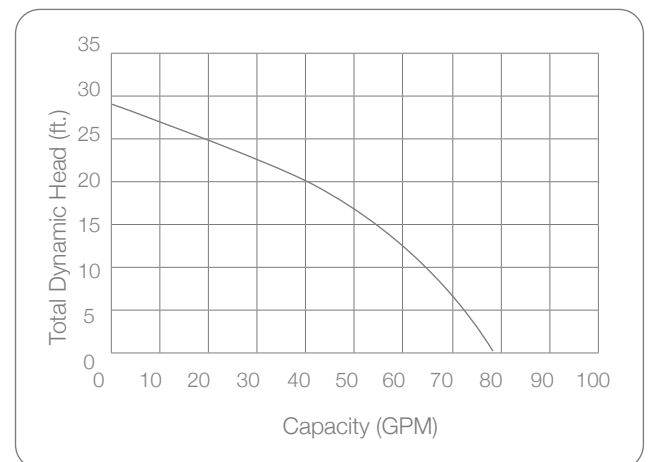
55ACi+ with **Ion+ Connect Cellular** - Part Number: **MET20505**

55ACi+ with **Ion+ Connect WiFi** - Part Number: **MET20507**

### System Performance



### Pump Performance



### System Specifications

- 1/2 HP pump with PSC, energy efficient motor: 5.8 amps
- Up to 78 GPM
- Fully automatic, converts 24 volt DC to 120 volt AC when utility power is lost
- Runs 1/2 HP pump on AC or DC power
- Inverter has digital display, tells status of system at all times
- Requires two 12 volt deep cycle AGM batteries (batteries are NOT included)
- Non-corrosive battery enclosure
- Includes piggyback Ion+ digital level control/alarm sensor with no moving parts
  - Built-in alarm and monitoring system with Power, System and High Water LEDs and audible alarm
  - Dry contacts to connect to a monitoring device via an RJ11 connection
- Quick and easy installation
- 3 year warranty

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**ION**  
*Technologies*

A division of Metropolitan Industries, Inc.



# Sumpro<sup>®</sup>

**3 YEAR**  
WARRANTY



## Battery Backup System

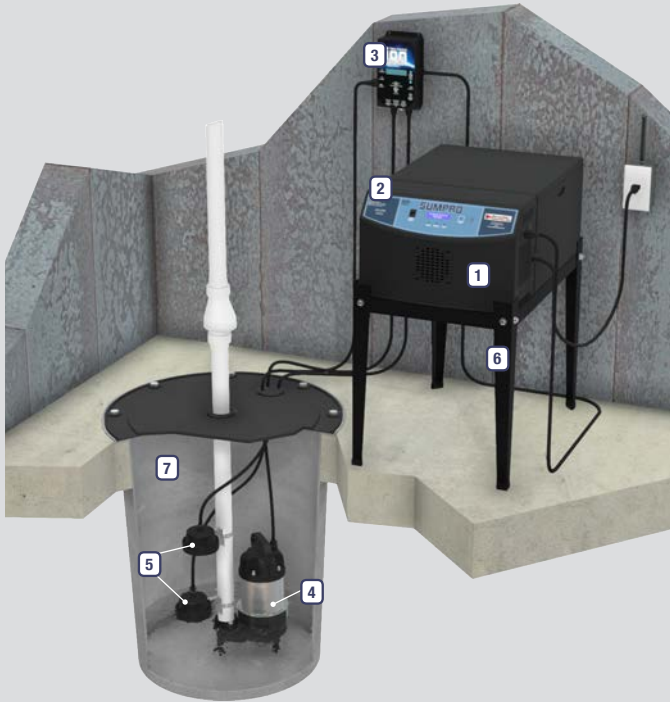
- Smaller footprint & lighter than original Sumpro with quieter operation
- Easy to read LCD screen for real time monitoring
- Alarm contact for remote monitoring and notification
- Solar & wind inputs for battery charging
- Improved charging circuit
- High inrush capability



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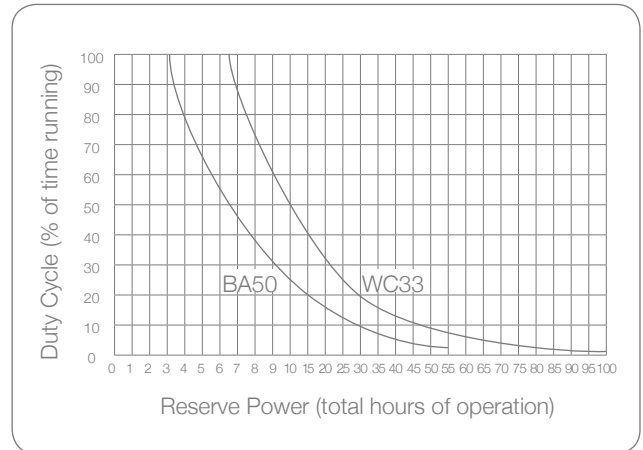
Patents Pending, Patent No. 5,508,905

## Typical Installation Diagram



1. Sumpro
2. Wind & solar inputs
3. Ion Genesis (optional)
4. Sump pump (not included)
5. Ion Genesis sensors (optional)
6. Stand (optional)
7. Recommended minimum basin size:  
18" x 24" (not included)

## System Performance



Performance curve results using a 1/3 and 1/2 HP pump with (2) fully charged Power+ 100 amp hour batteries.

## Dimensions



## System Specifications

- System Model: Sumpro Model 100
- Includes 15 amp inverter with status lights, dual battery box, and fuse bar
- Input Voltage: 120 VAC/24VDC (2 batteries, sold separately), 60 Hz, 12 amp
- Output Voltage: 120VAC, 12 amp
- Pump Type: Any 115 volt pump up to 12 amps (not included)
- Options: Sumpro stand, battery add-on kit, and Ion Genesis
- Weight: 60 lbs
- 3 year warranty
- Part Number: iS20281



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Package is available with the cellular/WiFi capable Ion+ Connect controller (above) in place of the standard Ion Genesis controller

# 30ACi Deluxe

**44 GPM**

@ 10' TDH

**3 YEAR  
WARRANTY**



## Battery Backup System

- Fully automatic auxiliary power source
- Backup system runs on AC or DC power
- Runs the same 1/3 HP pump with power on or off
- Ion Genesis® controller monitors all pump activity
- Full digital display on inverter and controller
- Ion® digital level sensors have no moving parts



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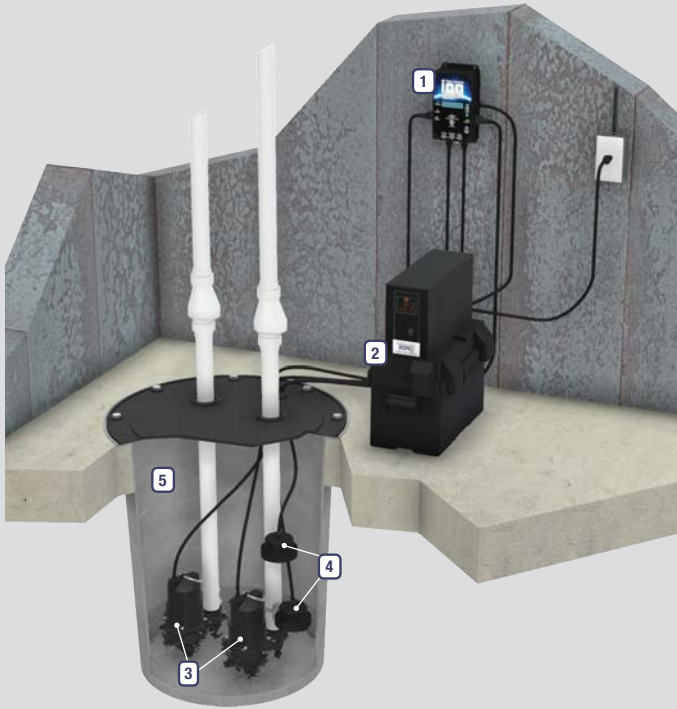
Patents Pending,  
Patent No. 8,591,198, 9,033,686,  
9,680,401, 8,907,789 and 9,958,878



# 30ACi Deluxe

Battery Backup System

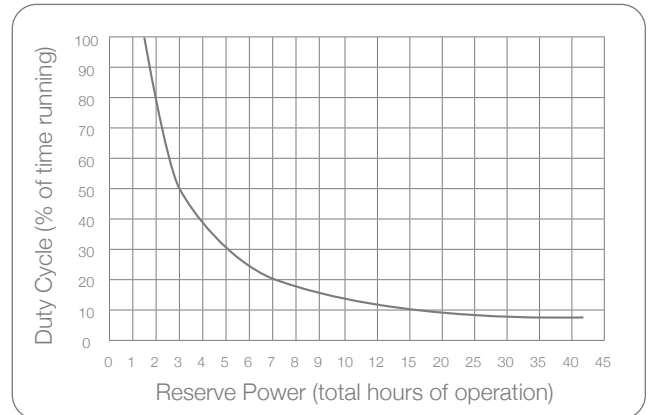
## Typical Installation Diagram



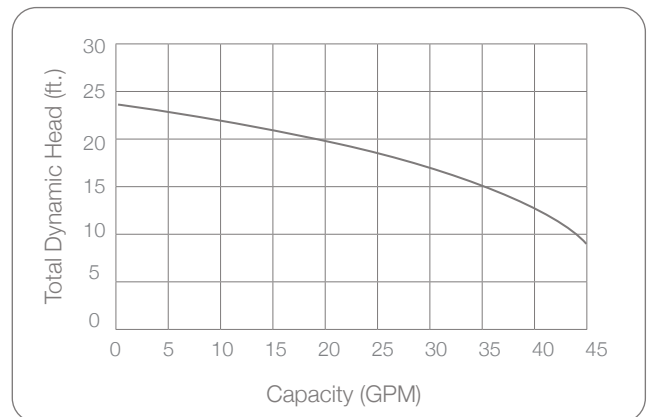
1. Ion Genesis controller
2. Battery box with inverter
3. 1/3 HP WC33 sump pump
4. Ion digital level control sensors
5. Recommended minimum basin size:  
18" x 24" (not included)

30ACi Deluxe with **Ion Genesis** - Part Number: **MET20274**  
30ACi Deluxe with **Ion+ Connect Cellular** - Part Number: **MET20473**  
30ACi Deluxe with **Ion+ Connect WiFi** - Part Number: **MET20475**

## System Performance



## Pump Performance



## System Specifications

- 1/3 HP pump with PSC, energy efficient motor: 4.0 amps
- Up to 45 GPM
- Fully automatic, converts 12 volt DC to 120 volt AC when power is off
- Ion Genesis controller alternates each pump and alarms
- Runs 1/3 HP pump on AC or DC power
- Inverter has digital display, tells status of system at all times
- Uses one 12 volt deep cycle AGM battery (battery is NOT included)
- Non-corrosive battery enclosure
- Includes piggyback Ion digital level control sensors with no moving parts
  - First of its kind solid-state sensing technology with no moving parts
  - Multipoint sealing mechanism that supersedes single surface seals
- Quick and easy installation
- 3 year warranty

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Package is available with the cellular/WiFi capable Ion+ Connect controller (above) in place of the standard Ion Genesis controller

## 30ACi Power Pac

**44 GPM**

@ 10' TDH

**3 YEAR  
WARRANTY**



### Battery Backup System

- Fully automatic auxiliary power source
- Backup system runs on AC or DC power
- Runs the same 1/3 HP pump with power on or off
- Ion Genesis® controller monitors all pump activity
- Full digital display on inverter and controller
- Ion® digital level sensors have no moving parts
- Factory built; easy and quick to install



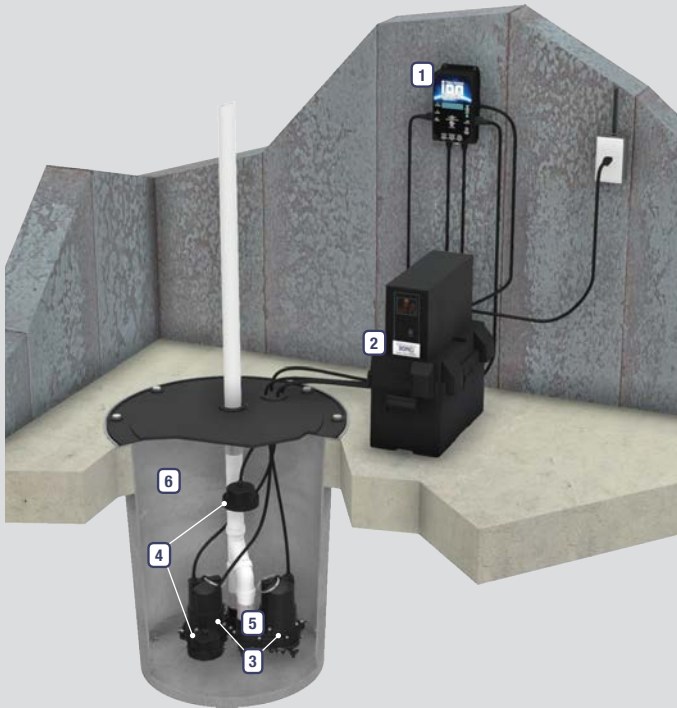
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Patents Pending,  
Patent No. 8,591,198, 9,033,686,  
9,680,401, 8,907,789 and 9,958,878

# 30ACi Power Pac

Pre-Piped Battery Backup System

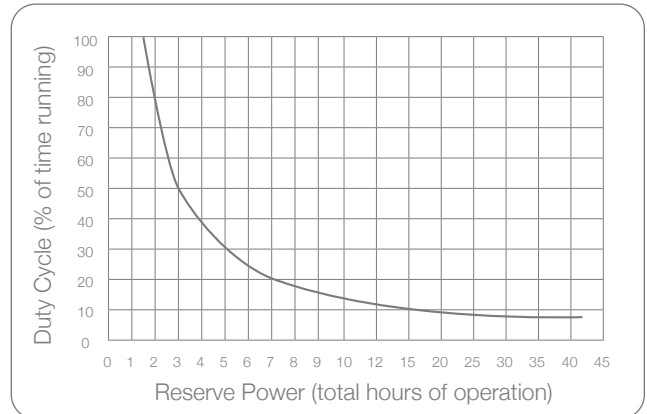
## Typical Installation Diagram



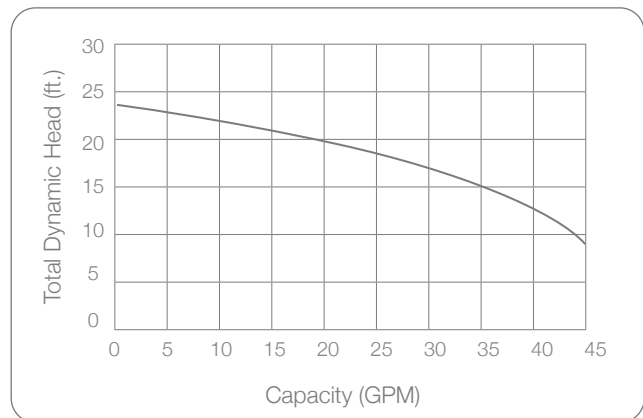
1. Ion Genesis controller
2. Battery box with inverter
3. 1/3 HP WC33 sump pump
4. Ion digital level control sensors
5. Check valve
6. Recommended minimum basin size:  
18" x 24" (not included)

30ACi Power Pac with **Ion Genesis** - Part Number: **MPK20472**  
30ACi Power Pac with **Ion+ Connect Cellular** - Part Number: **MPK20492**  
30ACi Power Pac with **Ion+ Connect WiFi** - Part Number: **MPK20504**

## System Performance



## Pump Performance



## System Specifications

- 1/3 HP pump with PSC, energy efficient motor: 4.0 amps
- Up to 45 GPM
- Fully automatic, converts 12 volt DC to 120 volt AC when power is off
- Ion Genesis controller alternates each pump and alarms
- Runs 1/3 HP pump on AC or DC power
- Inverter has digital display, tells status of system at all times
- Uses one 12 volt deep cycle AGM battery (battery is NOT included)
- Non-corrosive battery enclosure
- Includes Ion digital level control sensors with no moving parts
- First of its kind solid-state sensing technology with no moving parts
- Multipoint sealing mechanism that supersedes single surface seals
- Quick and easy installation
- 3 year warranty

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Package is available with the cellular/WiFi capable Ion+ Connect controller (above) in place of the standard Ion Genesis controller



# 35ACi Deluxe

**55 GPM**  
 @ 10' TDH

**3 YEAR WARRANTY**

## Battery Backup System

- Fully automatic auxiliary power source
- Backup system runs on AC or DC power
- Runs the same 1/3 HP pump with power on or off
- Ion Genesis® controller monitors all pump activity
- Full digital display on inverter and controller
- Ion® digital level sensors have no moving parts



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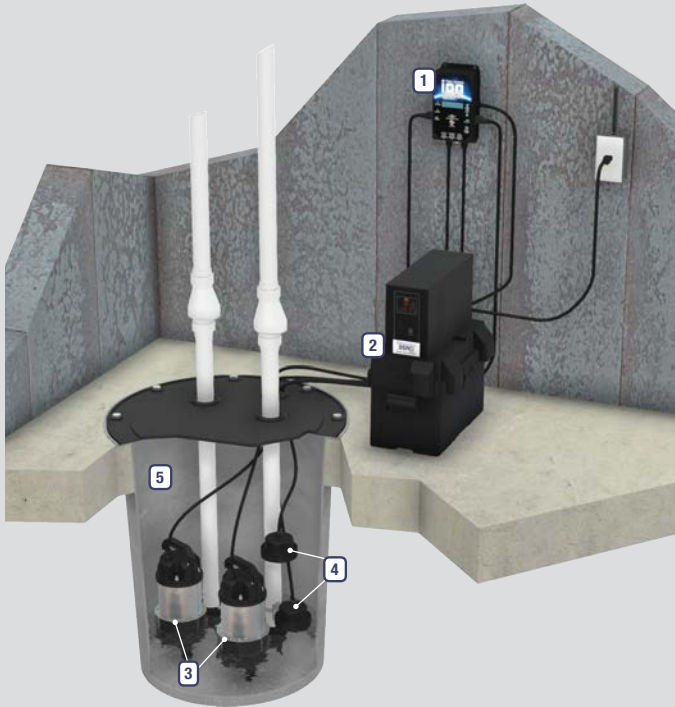
Patents Pending,  
 Patent No. 8,591,198, 9,033,686,  
 9,680,401, 8,907,789 and 9,958,878



# 35ACi Deluxe

Battery Backup System

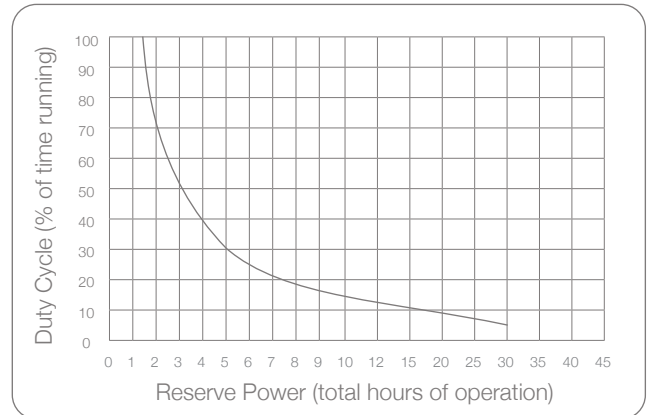
## Typical Installation Diagram



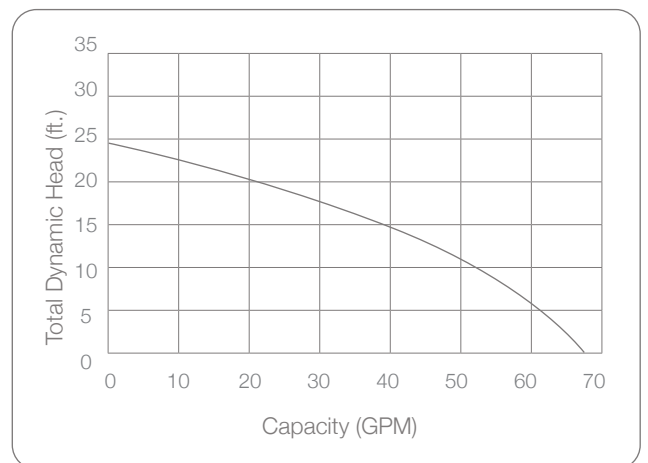
1. Ion Genesis controller
2. Battery box with inverter
3. 1/3 HP BA33 sump pumps
4. Ion digital level control sensors
5. Recommended minimum basin size:  
18" x 24" (not included)

35ACi Deluxe with **Ion Genesis** - Part Number: **MET20266**  
35ACi Deluxe with **Ion+ Connect Cellular** - Part Number: **MET20477**  
35ACi Deluxe with **Ion+ Connect WiFi** - Part Number: **MET20479**

## System Performance



## Pump Performance



## System Specifications

- 1/3 HP pump with PSC, energy efficient motor: 4.5 amps
- Up to 68 GPM
- Fully automatic, converts 12 volt DC to 120 volt AC when power is off
- Ion Genesis controller alternates each pump and alarms
- Runs 1/3 HP pump on AC or DC power
- Inverter has digital display, tells status of system at all times
- Uses one 12 volt deep cycle AGM battery (battery is NOT included)
- Non-corrosive battery enclosure
- Includes piggyback Ion digital level control sensors with no moving parts
  - First of its kind solid-state sensing technology with no moving parts
  - Multipoint sealing mechanism that supersedes single surface seals
- Quick and easy installation
- 3 year warranty

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Package is available with the cellular/WiFi capable Ion+ Connect controller (above) in place of the standard Ion Genesis controller

# 35ACi Power Pac

**55 GPM**  
@ 10' TDH

**3 YEAR**  
WARRANTY



## Battery Backup System

- Fully automatic auxiliary power source
- Backup system runs on AC or DC power
- Runs the same 1/3 HP pump with power on or off
- Ion Genesis® controller monitors all pump activity
- Full digital display on inverter and controller
- Ion® digital level sensors have no moving parts
- Factory built; easy and quick to install



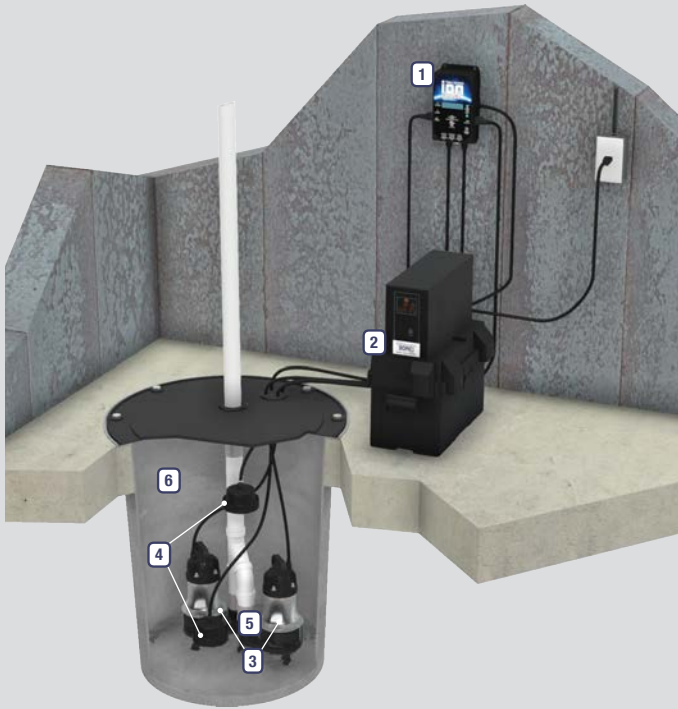
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Patents Pending,  
Patent No. 8,591,198, 9,033,686,  
9,680,401, 8,907,789 and 9,958,878

# 35ACi Power Pac

Pre-Piped Battery Backup System

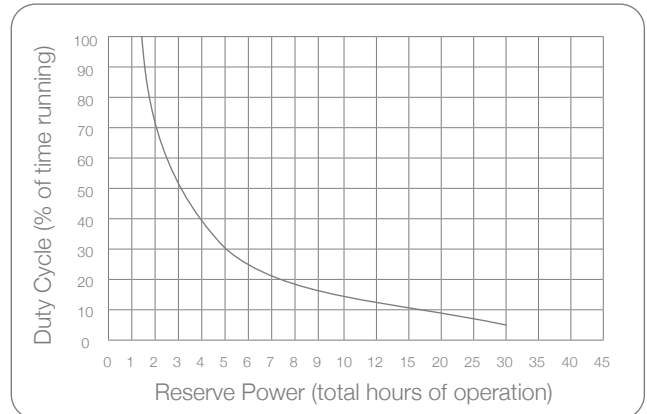
## Typical Installation Diagram



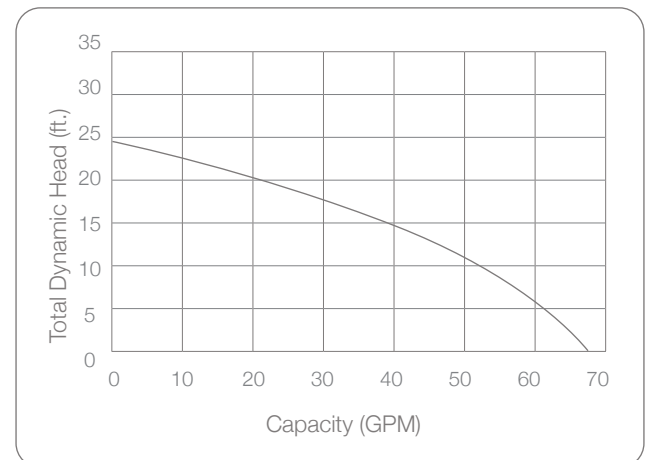
1. Ion Genesis controller
2. Battery box with inverter
3. 1/3 HP BA33 sump pump
4. Ion digital level control sensors
5. Check valve
6. Recommended minimum basin size:  
18" x 24" (not included)

35ACi Power Pac with **Ion Genesis** - Part Number: **MPK20478**  
35ACi Power Pac with **Ion+ Connect Cellular** - Part Number: **MPK20495**  
35ACi Power Pac with **Ion+ Connect WiFi** - Part Number: **MPK20506**

## System Performance



## Pump Performance



## System Specifications

- 1/3 HP pump with PSC, energy efficient motor: 4.5 amps
- Up to 68 GPM
- Fully automatic, converts 12 volt DC to 120 volt AC when power is off
- Ion Genesis controller alternates each pump and alarms
- Runs 1/3 HP pump on AC or DC power
- Inverter has digital display, tells status of system at all times
- Uses one 12 volt deep cycle AGM battery (battery is NOT included)
- Non-corrosive battery enclosure
- Includes Ion digital level control sensors with no moving parts
- First of its kind solid-state sensing technology with no moving parts
- Multipoint sealing mechanism that supersedes single surface seals
- Quick and easy installation
- 3 year warranty

# Take Control. **ion** Technologies

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Package is available with the cellular/WiFi capable Ion+ Connect controller (above) in place of the standard Ion Genesis controller

## 55ACi Deluxe

**65 GPM**

@ 10' TDH

**3 YEAR  
WARRANTY**



### Battery Backup System

- Fully automatic auxiliary power source
- Backup system runs on AC or DC power
- Runs the same 1/2 HP pump with power on or off
- Ion Genesis® controller monitors all pump activity
- Full digital display on inverter and controller
- Ion® digital level sensors have no moving parts



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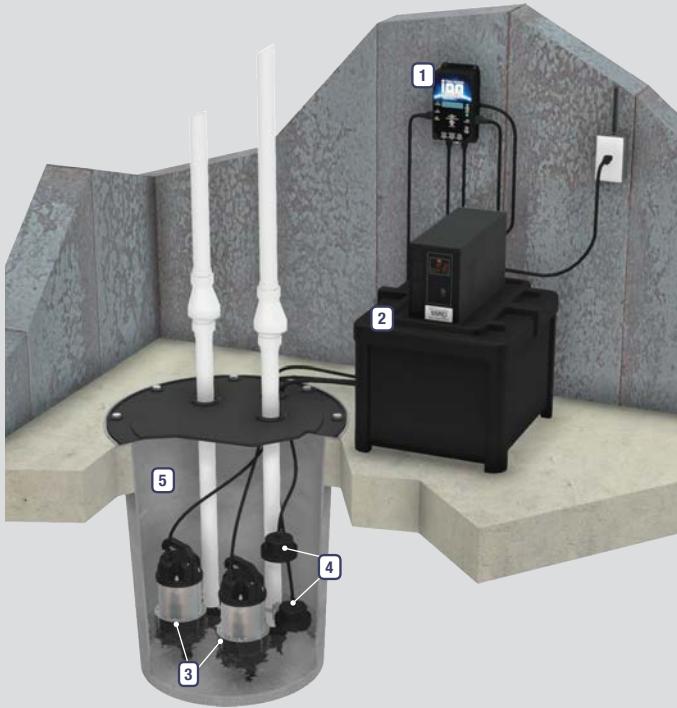
Patents Pending,  
Patent No. 8,591,198, 9,033,686,  
9,680,401, 8,907,789 and 9,958,878



# 55ACi Deluxe

Battery Backup System

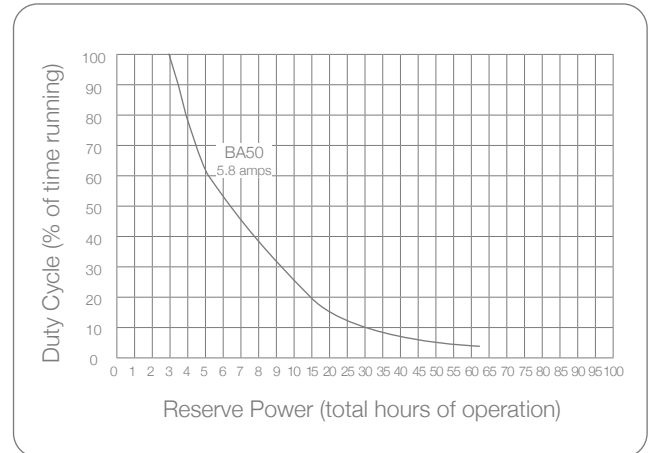
## Typical Installation Diagram



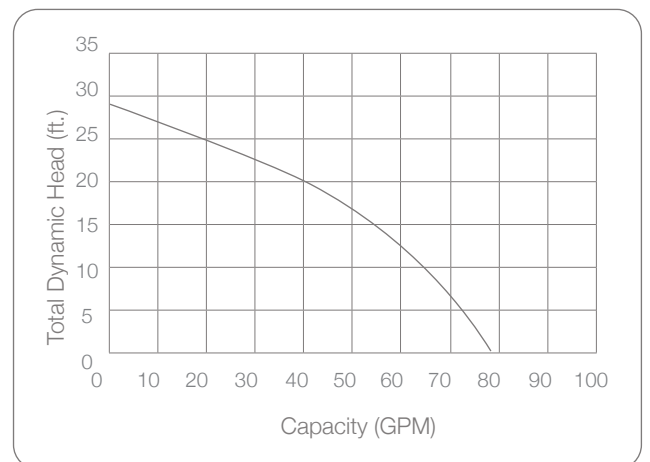
1. Ion Genesis controller
2. Battery box with inverter
3. 1/2 HP BA50 sump pumps
4. Ion digital level control sensors
5. Recommended minimum basin size:  
18" x 24" (not included)

55ACi Deluxe with **Ion Genesis** - Part Number: **MET20373**  
55ACi Deluxe with **Ion+ Connect Cellular** - Part Number: **MET20483**  
55ACi Deluxe with **Ion+ Connect WiFi** - Part Number: **MET20486**

## System Performance



## Pump Performance



## System Specifications

- 1/2 HP pump with PSC, energy efficient motor: 5.8 amps
- Up to 78 GPM
- Fully automatic, converts 24 volt DC to 120 volt AC when power is off
- Ion Genesis controller alternates each pump and alarms
- Runs 1/3 HP pump on AC or DC power
- Inverter has digital display, tells status of system at all times
- Requires two 12 volt deep cycle AGM batteries (batteries are NOT included)
- Non-corrosive battery enclosure
- Includes piggyback Ion digital level control sensors with no moving parts
  - First of its kind solid-state sensing technology with no moving parts
  - Multipoint sealing mechanism that supersedes single surface seals
- Quick and easy installation
- 3 year warranty

# Take Control. ion Technologies

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Package is available with the cellular/WiFi capable Ion+ Connect controller (above) in place of the standard Ion Genesis controller



# Sumpro® Platinum

**76 GPM**  
@ 10' TDH

**3 YEAR**  
WARRANTY



## Battery Backup System

- Runs on either AC or DC power
- Supplied with two 3/4 HP, 115 volt sump pumps
- Can be installed as a backup or primary pump
- Ion Genesis® controller monitors all pump activity, including pump running current, pump trending, and self testing without having to access the basin
- Ion Genesis sensors have no moving parts or pieces to fail and will far outlast common switch types



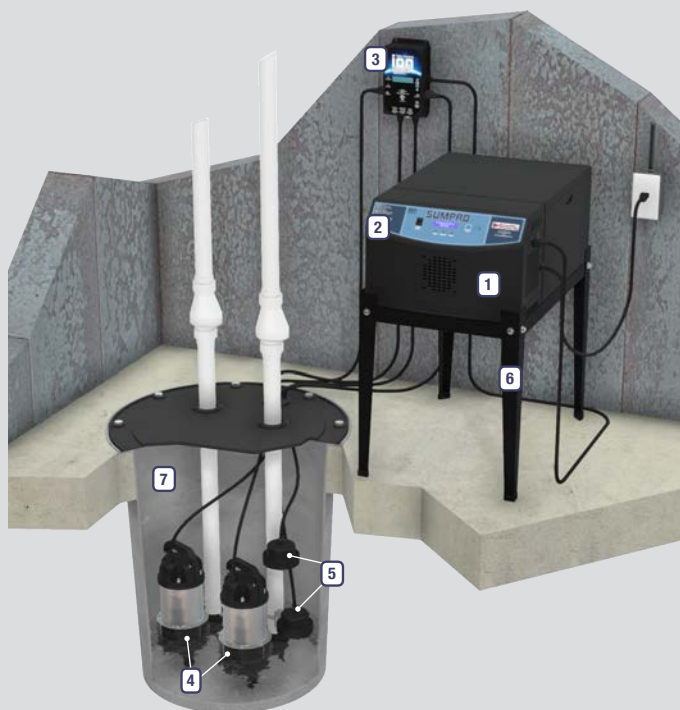
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Patents Pending,  
Patent No. 8,591,198, 9,033,686, 9,680,401,  
8,907,789, 9,958,878 and 5,508,905

# Sumpro Platinum

Battery Backup System

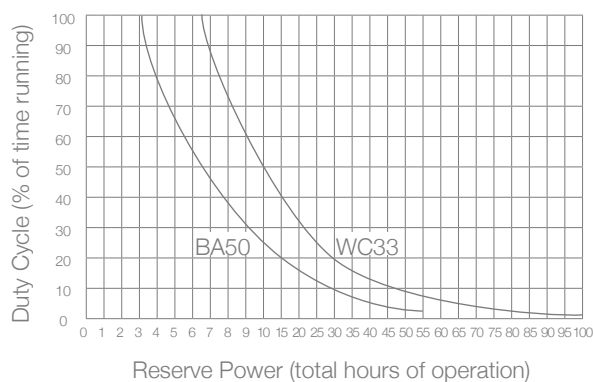
## Typical Installation Diagram



1. Sumpro
2. Wind & solar inputs
3. Ion Genesis
4. Dual 3/4 HP pumps
5. Ion Genesis sensors
6. Stand (optional)
7. Recommended minimum basin size: 18" x 24" (not included)

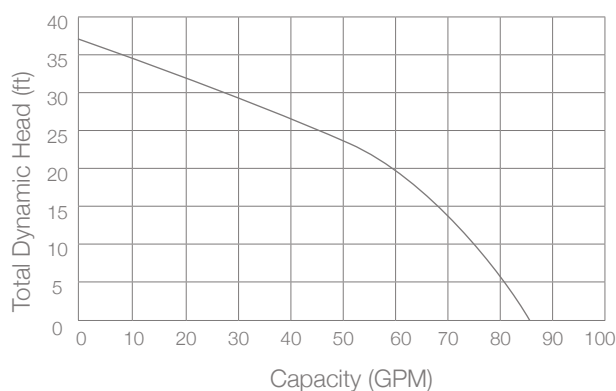
Sumpro Platinum with **Ion Genesis** - Part Number: **iSP20239**  
Sumpro Platinum with **Ion+ Connect Cellular** - Part Number: **iSP20490**  
Sumpro Platinum with **Ion+ Connect WiFi** - Part Number: **iSP20502**

## System Performance



Performance curve results using a 1/3 and 1/2 HP pump with (2) fully charged Power+ 100 amp hour batteries.

## Pump Performance



## System Specifications

- Sumpro Model 100 inverter rated for 15 amps
- Input Voltage: 120 VAC/24VDC (2 batteries, sold separately), 60 Hz, 12 amp
- Output Voltage: 120VAC, 12 amp
- Includes (2) 3/4 HP pumps, rated up to 85 GPM each, and an Ion Genesis controller
- Options: Sumpro stand, battery add-on kit, and Ion Genesis
- 3 year warranty

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Power+



Power+ XL

# Power+



## Maintenance Free AGM Battery

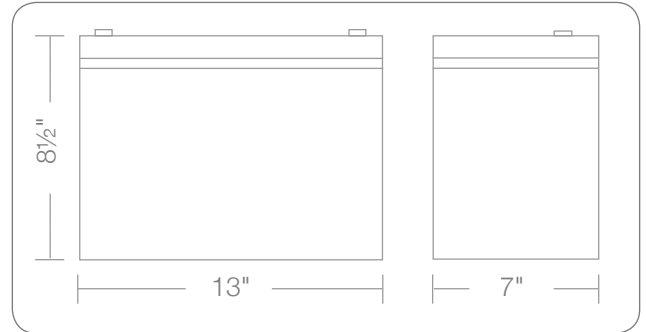
Power+ maintenance free batteries are revolutionizing the way we power our backup systems. Simply connect a battery or batteries to your backup system without having to perform monthly maintenance. The Power+ battery is completely sealed and spill-proof with no risk of exposure to hazardous chemicals. It is safe for standard shipping anywhere in the U.S.



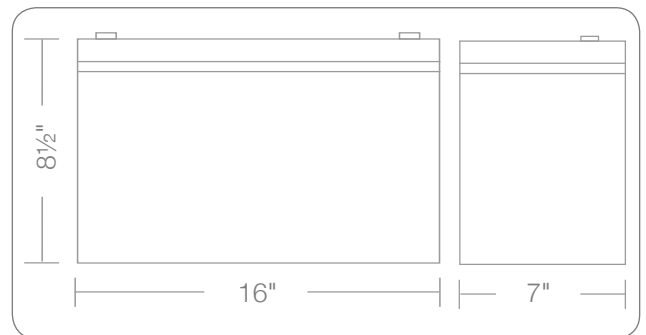
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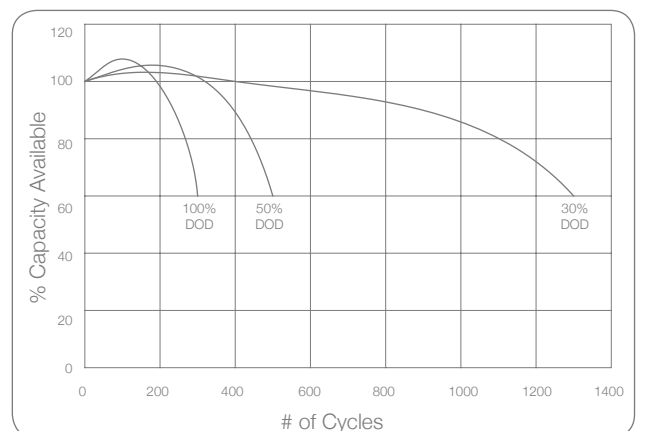
### Power+ Dimensions



### Power+ XL Dimensions



### Power+ Performance



### Power+ Specifications

Part Number	P20397
Nominal Voltage	12 Volt
10 Hr Rate Ah	120 Ah
Model	31P-36
Size L x W x H	13" X 7" X 8 1/2"
Weight	70 lbs
Terminal	Type B threaded copper
Bolt Size	M6 bolt






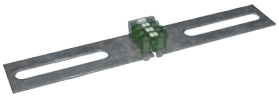
### Power+ XL Specifications

Part Number	P20301
Nominal Voltage	12 Volt
20 Hr Rate Ah	120 Ah
Model	151P-36
Size L x W x H	16" X 7" X 8 1/2"
Weight	84 lbs
Terminal	Type B threaded copper
Bolt Size	M6 bolt

### Features

- Maintenance free
- Lasts twice as long as typical batteries
- Completely sealed and spill-proof with no exposure to hazardous chemicals
- Safe for standard shipping in the USA
- Works with virtually all types of backup systems
- Performs up to 35% better than standard deep cycle batteries
- 3 year warranty

# Accessories

	Part Number	Description
	Mi20139	<b>12 Volt Battery Add-On Kit</b> , single battery box with 18" jumpers
	UA20195	<b>24 Volt Battery Add-On Kit</b> , dual battery box with 18" jumpers and fuse link
	EM020156	<b>Single Battery Stand</b> for all 12 volt systems with a single battery box
	iB30102	<b>Ion Sumpro Battery Box</b> with fuse link model 100BBXL
	iBA20383	<b>Ion Sumpro Battery Box</b> with fuse link model 100BBXL with fuse link & jumpers
	iSS20326	<b>Stand</b> for Ion Sumpro Model 100
	SLA105	<b>Automatic Dialer</b> Ion Genesis or Ion Endeavor required
	A0000702i7	<b>Standard Fuse Link 7"</b>
	iN-SPB1-1	<b>Ion Bracket Switch</b> to pipe clamp
	iNPC20484	<b>Ion Cellular Booster Antenna</b> with mounting bracket



## About Us

Ion Technologies is a manufacturer of premium residential pump and control products designed and engineered to provide superior basement flood protection. It was our legacy “StormPro” pumps and Sumpro battery backup system, capable of removing more gallons of water per minute, that instilled a higher level of flood prevention expectations throughout the pumping industry.

Coinciding with the growing popularity of our residential pumping products among plumbers and homeowners were several advancements achieved throughout the tech industry. In a world where mechanical operations are being replaced by digital, while our phones allow us to be more connected than ever before, came the inspiration to utilize such technology towards enhancing the protection of basements and homes from such complex water issues.

The result was the birth of the Ion Technologies division, starting with the introduction of our state-of-the-art Ion Digital Level Control Switch. With the subsequent product launches of the Ion Genesis, Ion Endeavor and the Ion+ Connect, came a variety of control and monitoring options that enhanced the capabilities of our primary pumps and battery backup systems.

As a division of Metropolitan Industries, Ion Technologies is backed by more than 60 years of design, engineering and manufacturing expertise that continues to provide superior water movement and management solutions to end-users throughout North America. This is demonstrated through our endless networking efforts via our on-site training seminars offered to plumbers, mobile training via the fully equipped Ion Technologies product demonstration trailer, and our continued presence at a variety of plumbing trade shows. Utilizing our company’s vast amount of marketing and sales resources allows us to provide plumbers and contractors with premium support that enables them to better service their residential customers.

Strengthening the capabilities of Ion Technologies is our cross-relationship with our sister brand, Emecole Metro, a pioneer in the concrete crack repair industry that has grown into a trusted manufacturer and supplier of basement waterproofing products. The Ion Technologies line of residential pump and control products combined with Emecole Metro’s products that spans concrete repair, foundation stabilization, drainage and indoor air quality control, is a one-stop shop for all things basement flood protection and waterproofing.

As the world continues to grow and evolve, Ion Technologies is excited to be at the forefront when it comes to utilizing new resources and technology to help protect against the threat of uncontrolled water and the negative ramifications it has towards the home. Simply put, it remains the endeavor of Ion Technologies to provide basement flood protection and waterproofing solutions that allow homeowners to enjoy the peace of mind that comes with experiencing a dry and healthy home environment.

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