



# PM Solar Pump Kit

## SPM-S Series



200W ~ 1500W



BLDC MOTOR



-20°C to 60°C



IP65



## SPM-SS Stainless Steel Solar Pump



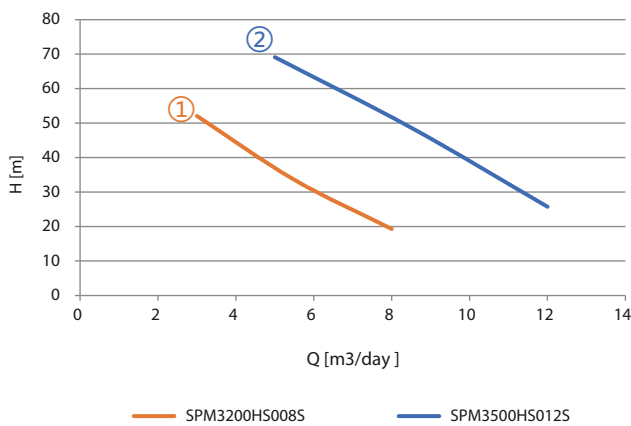
### Material

Pump Body	SS
Outlet	SS
Screw	SS
Bushing	SS

# 3"

## Helical Rotor Pump

- Helical rotor pump for high lift.
- Higher efficiency, lighter weight.
- Permanent magnet (DC brushless) motor applied.
- High reliability, high-performance semiconductor devices applied, 98% conversion efficiency.
- Patented dynamic VI maximum power tracking (MPPT), good stability, 99% MPPT efficiency.



## Specification

No.	Model	Motor Voltage	Max. DC Input Voltage	Recommended Mpp Voltage	Recommended Water Head	Recommended Daily Water Flow	Recommended Solar Array
1	SPM3200HS008S	24 V	60 V	> 30 V	52 - 19 m	3 - 8 m <sup>3</sup>	330W/36V × 1PC × 1String = 330W
2	SPM3500HS012S	48 V	100 V	> 60 V	69 - 26 m	5 - 12 m <sup>3</sup>	330W/36V × 2PCS × 1String = 660W

## SPM-SS Stainless Steel Solar Pump



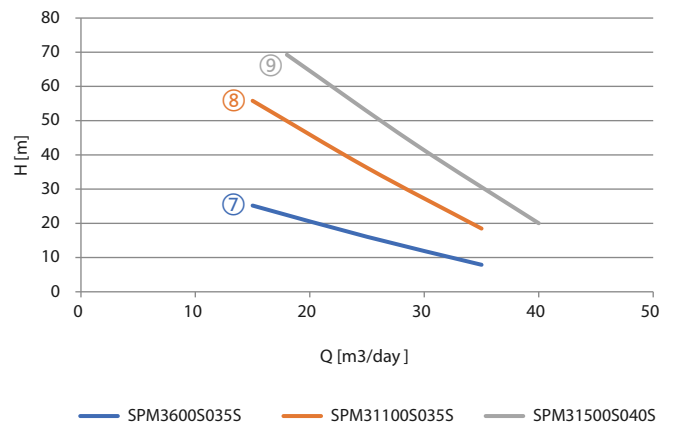
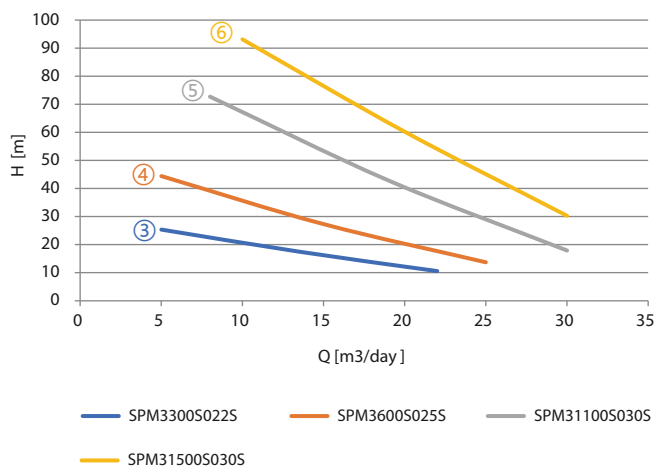
### Material

Pump Body	SS
Outlet	SS
Impeller	SS

# 3"

## Centrifugal Pump

- Centrifugal pump for big flow.
- Automatic operation.
- Full protections, support anti-reverse connection, over-current, over-voltage, under-voltage, overflow, dry running protection and etc.
- Full aluminum alloy housing, IP65.
- Ambient temperature -20 ~ +60°C.
- Optional remote monitoring (built-in or external).



## Specification

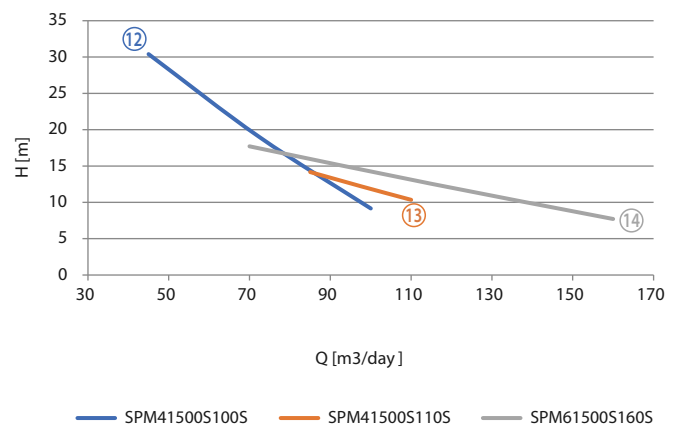
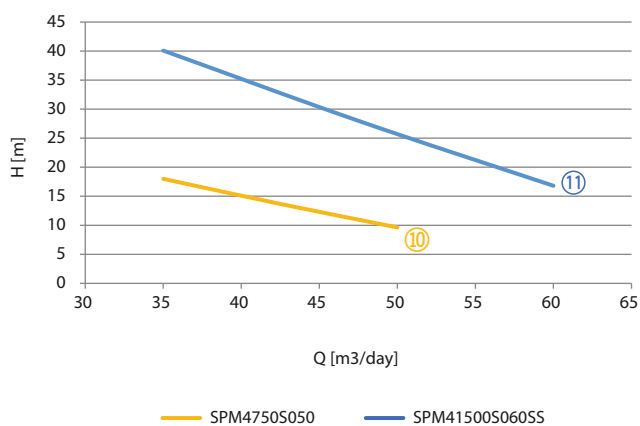
No.	Model	Motor Voltage	Max. DC Input Voltage	Recommended Mpp Voltage	Recommended Water Head	Recommended Daily Water Flow	Recommended Solar Array
3	SPM3300S022S	24 V	60 V	> 30 V	25 - 11 m	5 - 22 m <sup>3</sup>	460W/42V × 1PC × 1String = 460W
4	SPM3600S025S	48 V	100 V	> 60 V	44 - 14 m	5 - 25 m <sup>3</sup>	330W/36V × 2PCS × 1String = 660W
5	SPM31100S030S	110 V	200 V	> 120 V	73 - 18 m	8 - 30 m <sup>3</sup>	330W/36V × 4PCS × 1String = 1320W
6	SPM31500S030S	110 V	200 V	> 120 V	93 - 30 m	10 - 30 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W
7	SPM3600S035S	48 V	100 V	> 60 V	25 - 8 m	15 - 35 m <sup>3</sup>	330W/36V × 2PCS × 1String = 660W
8	SPM31100S035S	110 V	200 V	> 120 V	56 - 18 m	15 - 35 m <sup>3</sup>	330W/36V × 4PCS × 1String = 1320W
9	SPM31500S040S	110 V	200 V	> 120 V	69 - 20 m	18 - 40 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W



# 4" 6" Centrifugal Pump

## Material

Pump Body	SS
Outlet	SS
Impeller	SS



## Specification

No.	Model	Motor Voltage	Max. DC Input Voltage	Recommended Mpp Voltage	Recommended Water Head	Recommended Daily Water Flow	Recommended Solar Array
10	SPM4750S050S	72 V	150 V	> 90 V	18 - 10 m	35 - 50 m <sup>3</sup>	480W/42V × 2PCS × 1String = 960W
11	SPM41500S060S	110 V	200 V	> 120 V	40 - 17 m	35 - 60 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W
12	SPM41500S100S	110 V	200 V	> 120 V	30 - 9 m	45 - 100 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W
13	SPM41500S110S	110 V	200 V	> 120 V	14 - 10 m	85 - 110 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W
14	SPM61500S160S	110 V	200 V	> 120 V	18 - 8 m	70 - 160 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W

## SPM-CS Solar Pump



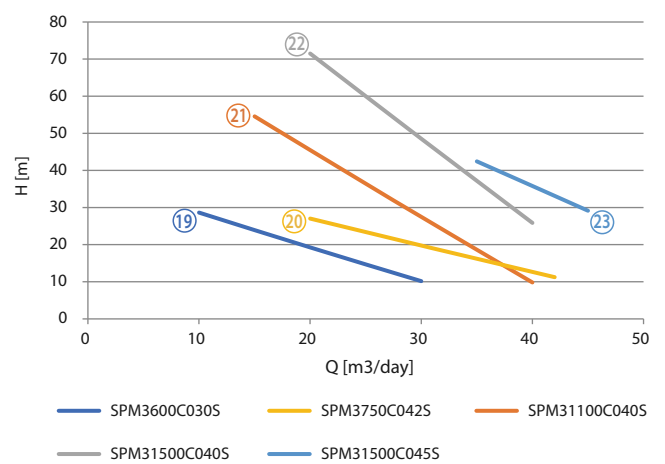
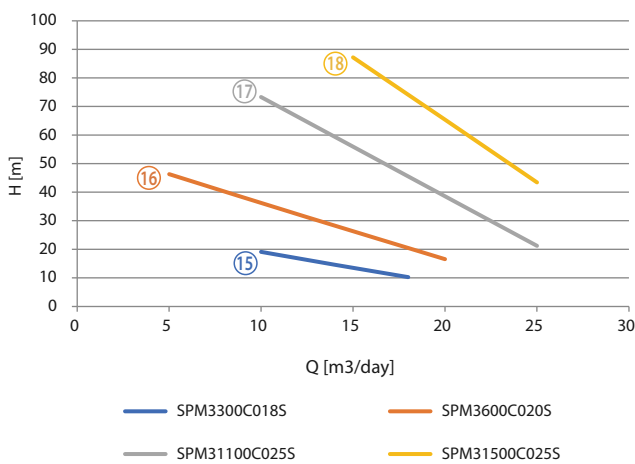
### Material

Pump Body	SS
Outlet	SS
Impeller	Plastic

# 3"

## Centrifugal Pump

- Centrifugal pump for big flow.
- Higher efficiency, lighter weight.
- Permanent magnet (DC brushless) motor applied.
- High reliability, high-performance semiconductor devices applied, 98% conversion efficiency.
- Patented dynamic VI maximum power tracking (MPPT), good stability, 99% MPPT efficiency.
- Automatic operation.
- Full protections, support anti-reverse connection, over-current, over-voltage, under-voltage, overflow, dry running protection and etc.
- Full aluminum alloy housing, IP65.
- Ambient temperature -20 ~ +60 °C.
- Optional remote monitoring (built-in or external).
- Optional Pay & Go functions.

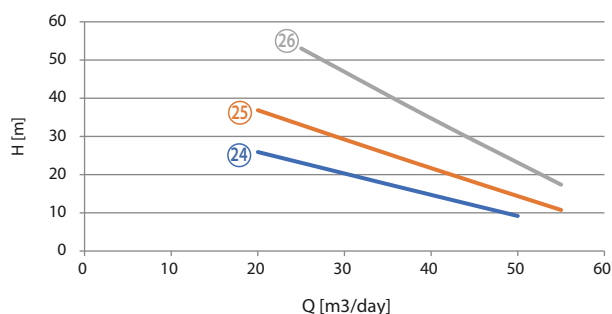


## Specification

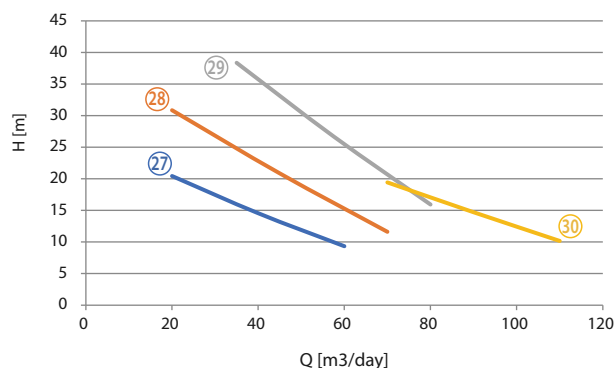
No.	Model	Motor Voltage	Max. DC Input Voltage	Recommended Mpp Voltage	Recommended Water Head	Recommended Daily Water Flow	Recommended Solar Array
15	SPM3300C018S	24 V	60 V	> 30 V	19 - 10 m	10 - 18 m <sup>3</sup>	460W/42V × 1PC × 1String = 460W
16	SPM3600C020S	48 V	100 V	> 60 V	46 - 17 m	5 - 20 m <sup>3</sup>	330W/36V × 2PCS × 1String = 660W

17	SPM31100C025S	110 V	200 V	> 120 V	73 - 21 m	10 - 25 m <sup>3</sup>	330W/36V × 4PCS × 1String = 1320W
18	SPM31500C025S	110 V	200 V	> 120 V	87 - 43 m	15 - 25 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W
19	SPM3600C030S	48V	100 V	> 60 V	29 - 10 m	10 - 30 m <sup>3</sup>	330W/36V × 2PCS × 1String = 660W
20	SPM31100C040S	110 V	200 V	> 120 V	55 - 10 m	15 - 40 m <sup>3</sup>	330W/36V × 4PCS × 1String = 1320W
21	SPM31500C040S	110 V	200 V	> 120 V	71 - 26 m	20 - 40 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W
22	SPM3750C042S	72 V	150 V	> 90 V	27 - 11 m	20 - 42 m <sup>3</sup>	480W/42V × 2PCS × 1String = 960W
23	SPM31500C045S	110 V	200 V	> 120 V	42 - 29 m	35 - 45 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W

## 4" Centrifugal Pump



— SPM4750C050S    — SPM41100C055S    — SPM41500C055S



— SPM4750C060S    — SPM41100C070S  
— SPM41500C080S    — SPM41500C110S

## Specification

No.	Model	Motor Voltage	Max. DC Input Voltage	Recommended Mpp Voltage	Recommended Water Head	Recommended Daily Water Flow	Recommended Solar Array
24	SPM4750C050S	72 V	150 V	> 90 V	26 - 9 m	20 - 50 m <sup>3</sup>	480W/42V × 2PCS × 1String = 960W
25	SPM41100C055S	110 V	200 V	> 120 V	37 - 11 m	20 - 55 m <sup>3</sup>	330W/36V × 4PCS × 1String = 1320W
26	SPM41500C055S	110V	200 V	> 120 V	53 - 17 m	25 - 55 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W
27	SPM4750C060S	72 V	150 V	> 90 V	20 - 9 m	20 - 60 m <sup>3</sup>	480W/42V × 2PCS × 1String = 960W
28	SPM41100C070S	110 V	200 V	> 120 V	31 - 12 m	20 - 70 m <sup>3</sup>	330W/36V × 4PCS × 1String = 1320W
29	SPM41500C080S	110 V	200 V	> 120 V	38 - 16 m	35 - 80 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W
30	SPM41500C110S	110 V	200 V	> 120 V	19 - 10 m	70 - 110 m <sup>3</sup>	330W/36V × 3PCS × 2Strings = 1980W

