



**GREEN POWER  
INTERNATIONAL**  
*Nature's light nurtures life*



**SOLAR PUMP  
DATASHEETS**



# Powering Africa



# SPM400HS

## Permanent Magnet Solar Pump

### Performance

Water Head	40 - 1 m
Daily Water Flow	9 - 23 m <sup>3</sup>

### Technical Data

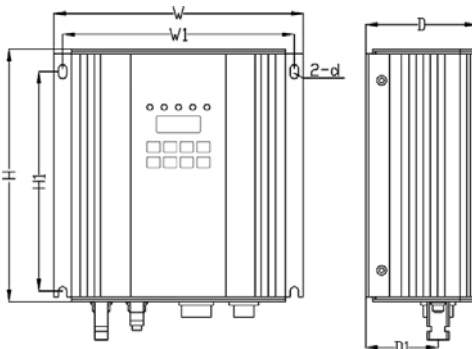
Pump Specifications	Helical Rotor Pump 36V 110Hz
Pump Outlet Dia.	25 mm, 1"
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM400D
Inverter Power	400 W
Max. DC Input Voltage	80 V
Recommended MPP Voltage	≥20VDC
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-1.4-0.4HS
Motor Power	0.4 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

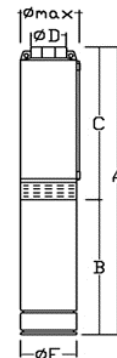
#### Inverter

W = 210 mm
H = 213 mm
D = 93.5 mm
W1 = 195 mm
H1 = 165 mm
D1 = 61 mm
d = 7 mm



#### Pump

A = 500 mm
B = 290 mm
C = 210 mm
ΦD = G1"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	9.9 kg	Pump Screw Material	AISI 304
Solar Pump Gross Weight	11.7 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.03 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

#### Standards

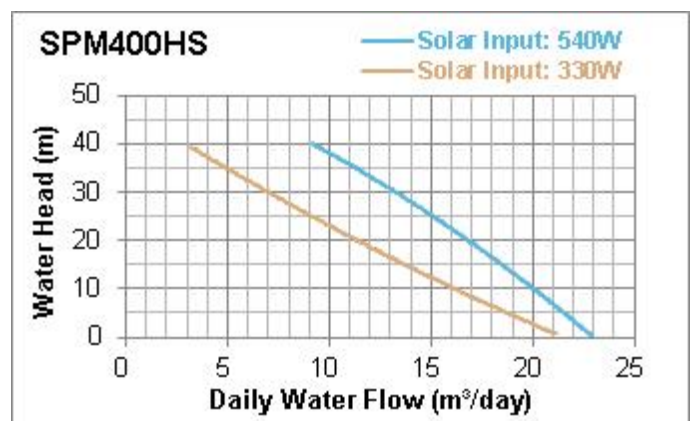


- EN 61000-6-3:2007+A1:2011+AC:2012
- EN 61000-6-1:2007
- EN 60335-1:2012+A11:2014
- EN 60335-2-41:2003+A1:2004+A2:2010
- EN 62109-1:2010
- EN 62109-2:2011

\*All specifications and information are provided with good intent, products may be subject to change without notice.

### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPM600C

## Permanent Magnet Solar Pump

### Performance

Water Head	18 - 4 m
Daily Water Flow	18 - 25 m <sup>3</sup>

### Technical Data

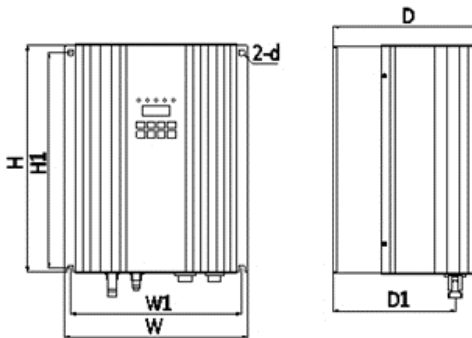
Pump Specifications	Centrifugal Pump 48V 110Hz
Pump Outlet Dia.	30 mm, 1"1/4
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM600D
Inverter Power	600 W
Max. DC Input Voltage	150 V
Recommended MPP Voltage	60-120VDC
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-3-0.6C
Motor Power	0.6 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

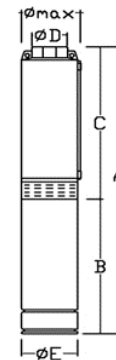
#### Inverter

W = 202 mm
H = 244 mm
D = 146 mm
W1 = 187 mm
H1 = 232 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 697 mm
B = 305 mm
C = 392 mm
ΦD = G1"1/4
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	13 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	15 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

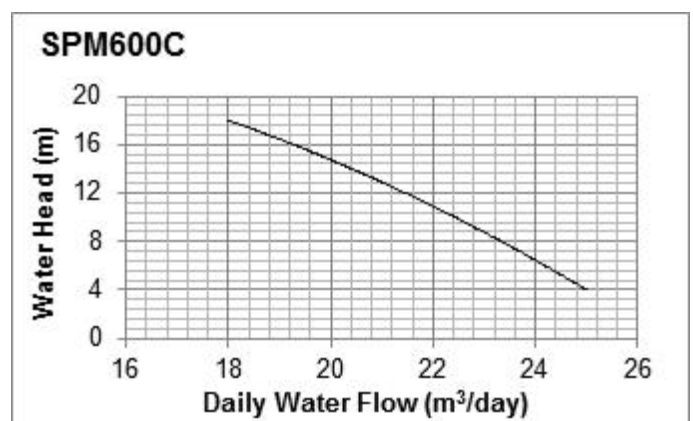
Inverter	3 years
Pump	1 year

#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011+AC:2012
	EN 61000-6-1:2007
	EN 60335-1:2012+A11:2014
	EN 60335-2-41:2003+A1:2004+A2:2010
	EN 62109-1:2010
	EN 62109-2:2011

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### Performance Curve Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPM600HS

## Permanent Magnet Solar Pump

### Performance

Water Head	80 - 18 m
Daily Water Flow	2 - 18 m <sup>3</sup>

### Technical Data

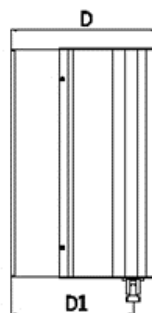
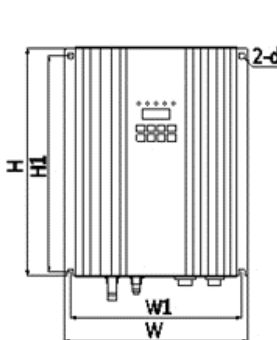
Pump Specifications	Helical Rotor Pump 48V 110Hz
Pump Outlet Dia.	1"
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM600D
Inverter Power	600 W
Max. DC Input Voltage	150 V
Recommended MPP Voltage	60-120VDC
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-2-0.6HS
Motor Power	0.6 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

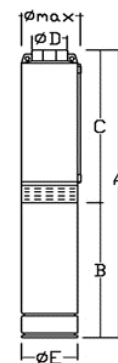
#### Inverter

W = 202 mm
H = 244 mm
D = 146 mm
W1 = 187 mm
H1 = 232 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 551 mm
B = 305 mm
C = 246 mm
ΦD = G1"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	12 kg	Pump Screw Material	AISI 304
Solar Pump Gross Weight	14.5 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

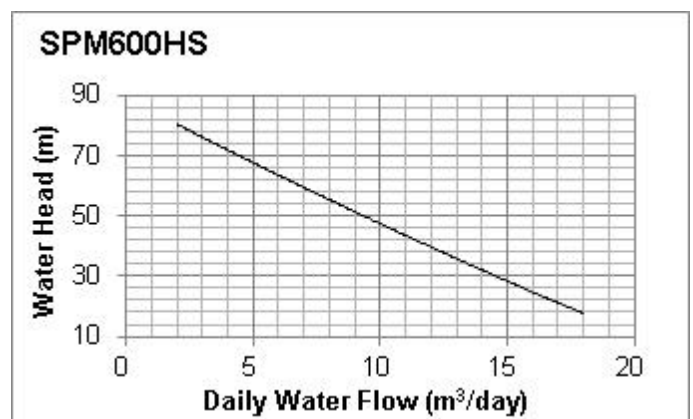
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPM4600S040

## Permanent Magnet Solar Pump

### Performance

Water Head	18 - 12 m
Daily Water Flow	25 - 40 m <sup>3</sup>

### Technical Data

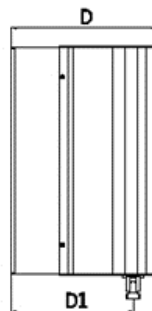
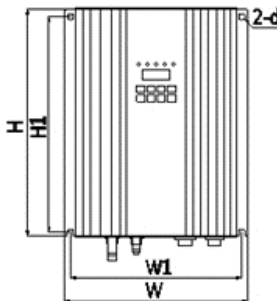
Pump Specifications	Centrifugal Pump 48V 110Hz
Pump Outlet Dia.	1"1/2
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM600D
Inverter Power	600 W
Max. DC Input Voltage	150 V
Recommended MPP Voltage	60-120VDC
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-5-0.6S
Motor Power	0.6 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

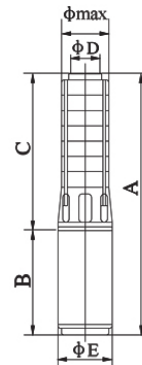
#### Inverter

W = 202 mm
H = 244 mm
D = 146 mm
W1 = 187 mm
H1 = 232 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 544 mm
B = 305 mm
C = 239 mm
ΦD = 1"1/2
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	12.0 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	14.0 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

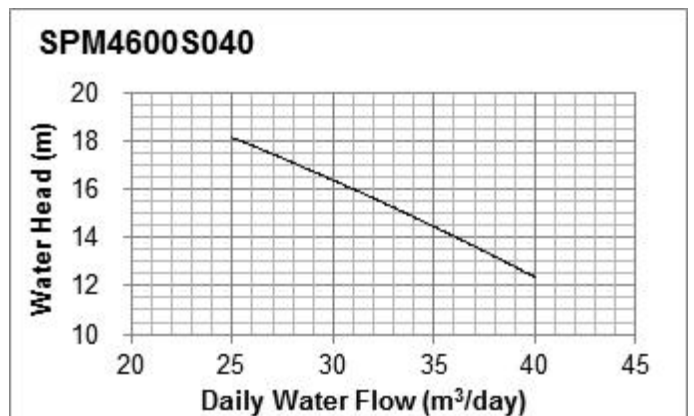
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPM41200C033

## Permanent Magnet Solar Pump

### Performance

Water Head	43 - 22 m
Daily Water Flow	18 - 33 m <sup>3</sup>

### Technical Data

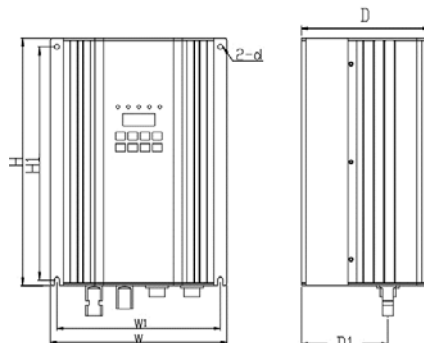
Pump Specifications	Centrifugal Pump 110V 110Hz
Pump Outlet Dia.	40 mm, 1"1/2
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM1200D
Inverter Power	1200 W
Max. DC Input Voltage	200 V
Recommended MPP Voltage	120-160 V
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-4.5-1.1C
Motor Power	1.1 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

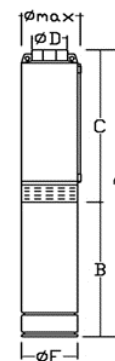
#### Inverter

W = 202 mm
H = 284 mm
D = 146 mm
W1 = 187 mm
H1 = 272 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 829 mm
B = 351 mm
C = 478 mm
ΦD = G1"1/2
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	16.9 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	19.3 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

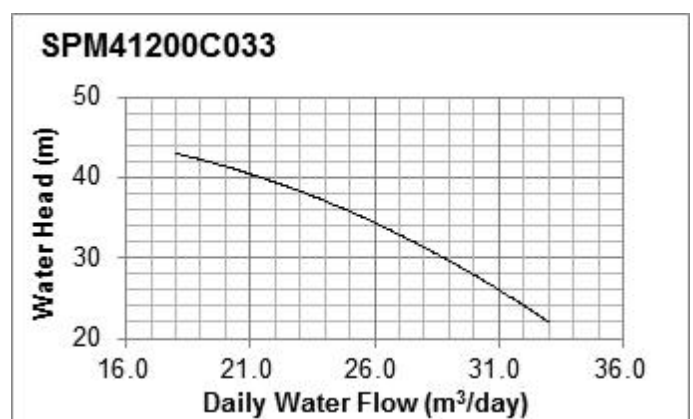
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011+AC:2012
	EN 61000-6-1:2007
	EN 60335-1:2012+A11:2014
	EN 60335-2-41:2003+A1:2004+A2:2010
	EN 62109-1:2010
	EN 62109-2:2011

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPM41200S020

## Permanent Magnet Solar Pump

### Performance

Water Head	83 - 58 m
Daily Water Flow	12 - 20 m <sup>3</sup>

### Technical Data

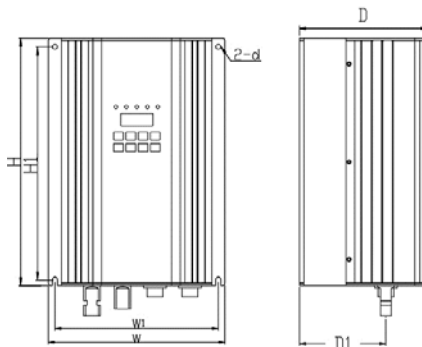
Pump Specifications	Centrifugal Pump 110V 110Hz
Pump Outlet Dia.	1"1/4
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM1200D
Inverter Power	1200 W
Max. DC Input Voltage	200 V
Recommended MPP Voltage	120-160 V
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-2-1.1S
Motor Power	1.1 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

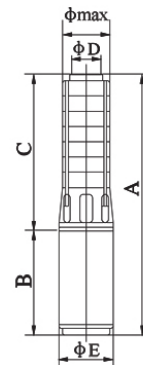
#### Inverter

W = 202 mm
H = 284 mm
D = 146 mm
W1 = 187 mm
H1 = 272 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 884 mm
B = 351 mm
C = 533 mm
ΦD = 1"1/4
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	17.6 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	20.2 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

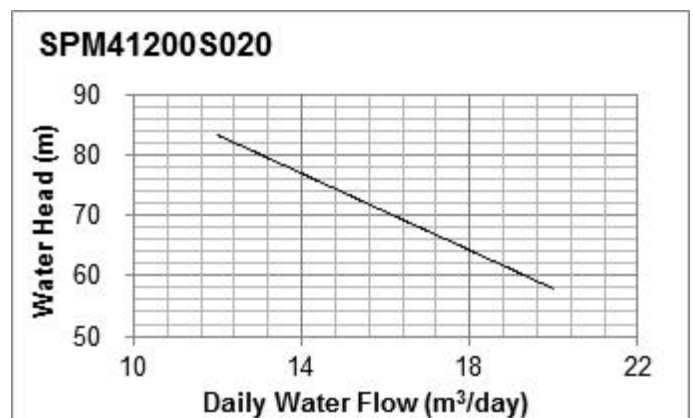
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day





# SPM1200HS

## Permanent Magnet Solar Pump

### Performance

Water Head	178 - 64 m
Daily Water Flow	3 - 11.5 m <sup>3</sup>

### Technical Data

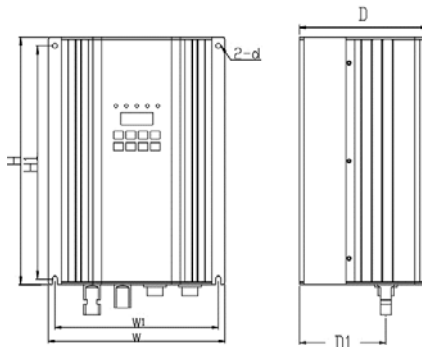
Pump Specifications	Helical Rotor Pump 110V 110Hz
Pump Outlet Dia.	1"
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM1200D
Inverter Power	1200 W
Max. DC Input Voltage	200 V
Recommended MPP Voltage	120-160 V
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-1.4-1.1HS
Motor Power	1.1 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

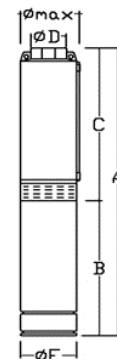
#### Inverter

W = 202 mm
H = 284 mm
D = 146 mm
W1 = 187 mm
H1 = 272 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 709 mm
B = 351 mm
C = 358 mm
ΦD = G1"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	15.5 kg	Pump Screw Material	AISI 304
Solar Pump Gross Weight	17.4 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

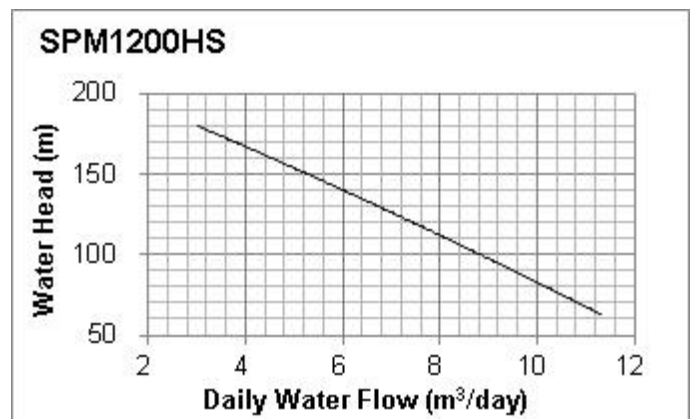
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPM41800C076

## Permanent Magnet Solar Pump

### Performance

Water Head	34 - 16 m
Daily Water Flow	34 - 76 m <sup>3</sup>

### Technical Data

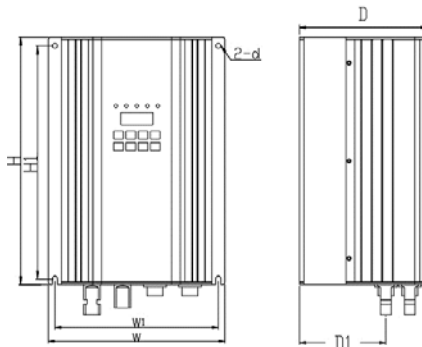
Pump Specifications	Centrifugal Pump 110V 110Hz
Pump Outlet Dia.	50 mm, 2"
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM1800D
Inverter Power	1800 W
Max. DC Input Voltage	200 V
Recommended MPP Voltage	120-160 V
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-7-1.1C
Motor Power	1.1 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

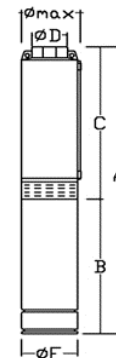
#### Inverter

W = 202 mm
H = 284 mm
D = 146 mm
W1 = 187 mm
H1 = 272 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 888 mm
B = 351 mm
C = 537 mm
ΦD = G2"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	16.3 kg
Solar Pump Gross Weight	19.3 kg
Solar Pump Volume	0.04 m <sup>3</sup>

Pump Impeller Material	POM
Pump Body Material	AISI 304
Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

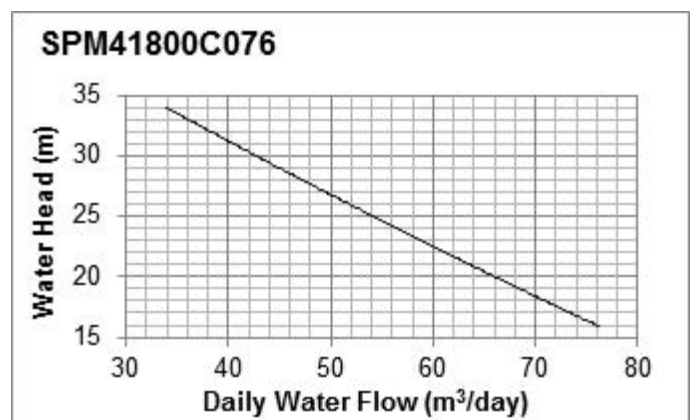
#### Standards

CE	EN 61000-6-3:2007+A1:2011+AC:2012
	EN 61000-6-1:2007
	EN 60335-1:2012+A11:2014
	EN 60335-2-41:2003+A1:2004+A2:2010
	EN 62109-1:2010
	EN 62109-2:2011

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPM41800S040

## Permanent Magnet Solar Pump

### Performance

Water Head	61 - 42 m
Daily Water Flow	22 - 40 m <sup>3</sup>

### Technical Data

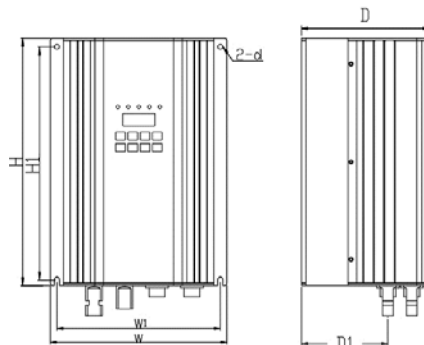
Pump Specifications	Centrifugal Pump 110V 110Hz
Pump Outlet Dia.	1"1/2
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM1800D
Inverter Power	1800 W
Max. DC Input Voltage	200 V
Recommended MPP Voltage	120-160 V
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-5-1.5S
Motor Power	1.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

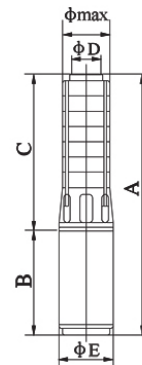
#### Inverter

W = 202 mm
H = 284 mm
D = 146 mm
W1 = 187 mm
H1 = 272 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 782 mm
B = 375 mm
C = 407 mm
ΦD = 1"1/2
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	17.5 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	19.9 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

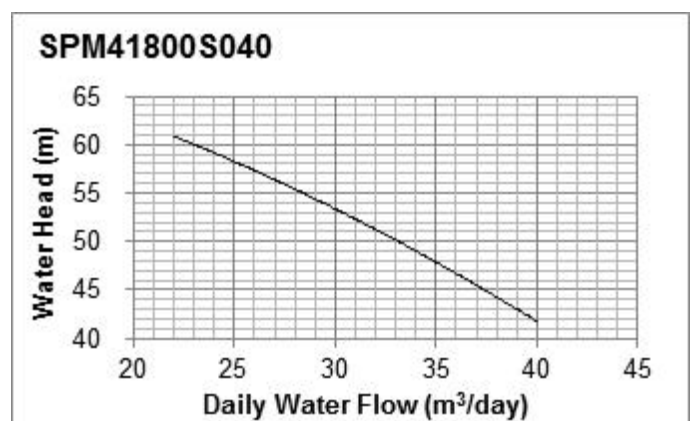
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPM41800S020

## Permanent Magnet Solar Pump

### Performance

Water Head	104 - 76 m
Daily Water Flow	13 - 20 m <sup>3</sup>

### Technical Data

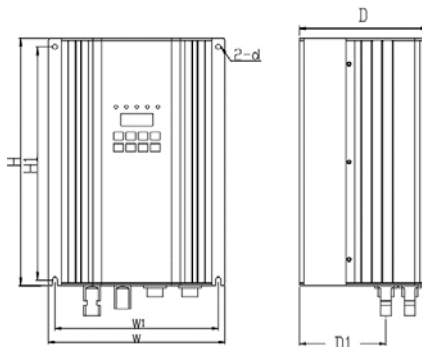
Pump Specifications	Centrifugal Pump 110V 110Hz
Pump Outlet Dia.	1"1/4
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PM1800D
Inverter Power	1800 W
Max. DC Input Voltage	200 V
Recommended MPP Voltage	120-160 V
Inverter Ambient Temperature	-20 ~ 60 °C
Pump Model	SPM4-2-1.5S
Motor Power	1.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

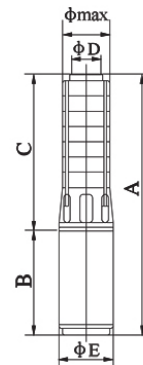
#### Inverter

W = 202 mm
H = 284 mm
D = 146 mm
W1 = 187 mm
H1 = 272 mm
D1 = 113 mm
d = 6 mm



#### Pump

A = 1013 mm
B = 375 mm
C = 638 mm
ΦD = 1"1/4
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	19.6 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	22.4 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

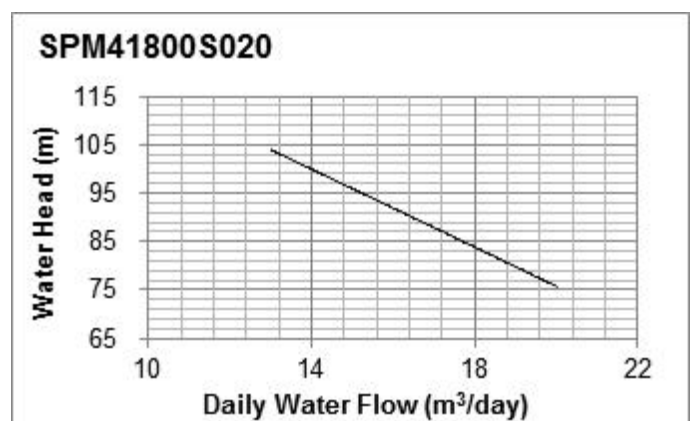
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

\*All specifications and information are provided with good intent, products may be subject to change without notice.

### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB42K2040

## Solar Pump

### Performance

Water Head	123 - 82 m
Daily Water Flow	23 - 40 m <sup>3</sup>

### Technical Data

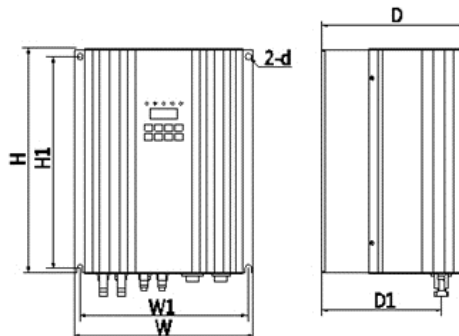
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	40 mm, 1"1/2
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PB3700H
Inverter Power	3.7 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temp.	-10 ~ 50 °C
Pump Model	SPB4-5-2.2
Pump Power	2.2 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temp.	1 - 35 °C



### Dimension, Weight and Material

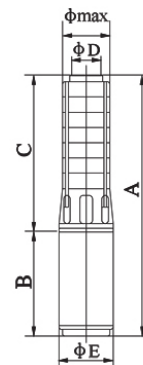
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 1172 mm
B = 492 mm
C = 680 mm
ΦD = 1"1/2
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	27.6 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	32.9 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.06 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

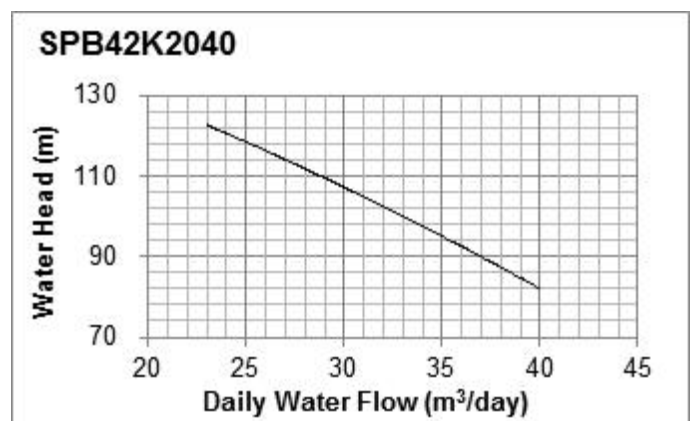
#### Standards

CE	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

\*All specifications and information are provided with good intent, products may be subject to change without notice.

### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB42K2020

## Solar Pump

### Performance

Water Head	166 - 100 m
Daily Water Flow	13 - 23 m <sup>3</sup>

### Technical Data

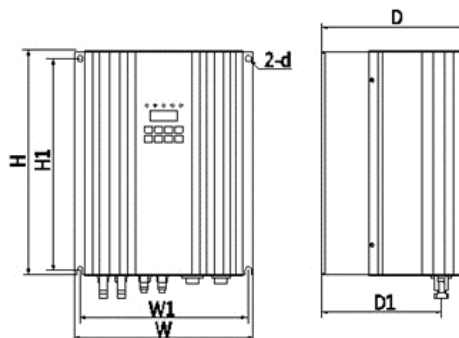
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	30 mm, 1"1/4
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PB3700H
Inverter Power	<b>3.7 kW</b>
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temp.	-10 ~ 50 °C
Pump Model	SPB4-2-2.2
Pump Power	<b>2.2 kW</b>
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temp.	1 - 35 °C



### Dimension, Weight and Material

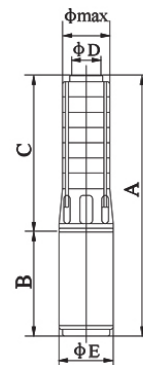
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 1487 mm
B = 492 mm
C = 995 mm
ΦD = 1"1/4
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	30.3 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	36.3 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.07 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

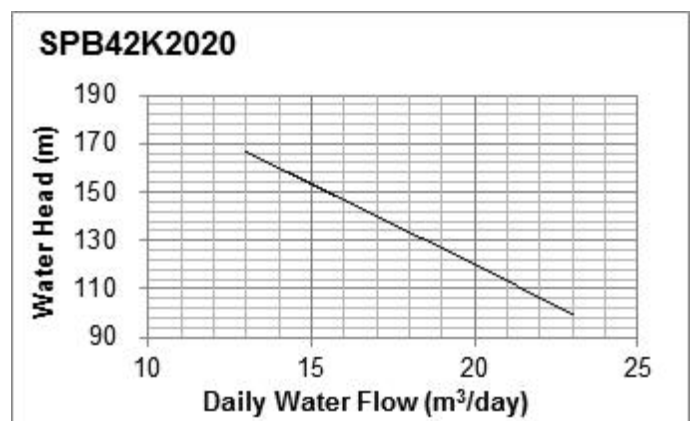
Inverter	3 years
Pump	1 year

#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

\*All specifications and information are provided with good intent, products may be subject to change without notice.

### Performance Curve Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB43K0070

## Solar Pump

### Performance

Water Head	89 - 59 m
Daily Water Flow	40 - 70 m <sup>3</sup>

### Technical Data

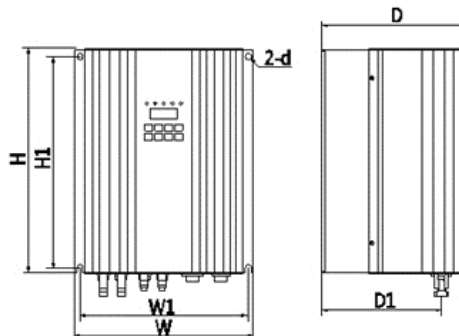
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	50 mm, 2"
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PB5500H
Inverter Power	5.5 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temp.	-10 ~ 50 °C
Pump Model	SPB4-8-3
Pump Power	3 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temp.	1 - 35 °C



### Dimension, Weight and Material

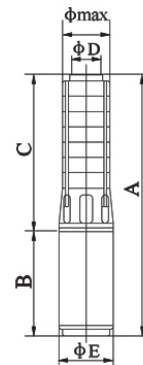
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 1231 mm
B = 581 mm
C = 650 mm
ΦD = 2"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	32.2 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	37.6 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.06 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

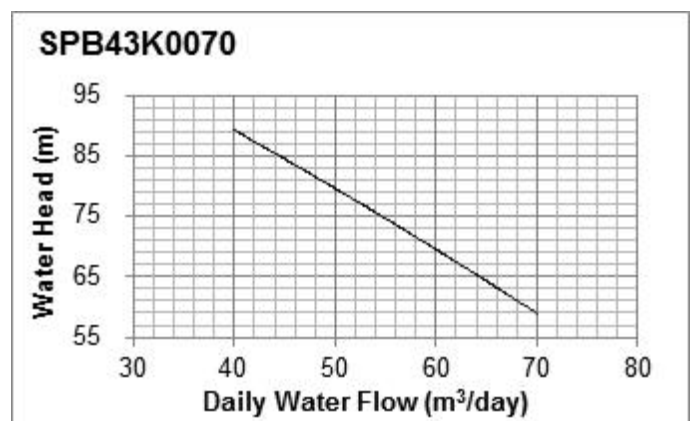
#### Standards

CE	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB43K0020

## Solar Pump

### Performance

Water Head	235 - 149 m
Daily Water Flow	13 - 23 m <sup>3</sup>

### Technical Data

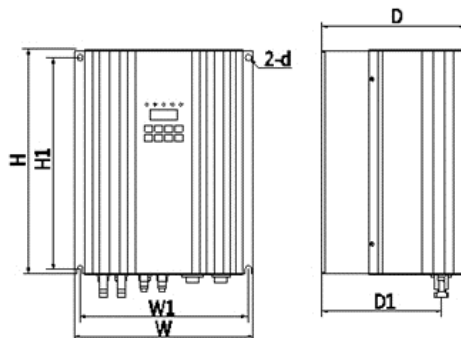
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	30 mm, 1"1/4
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PB5500H
Inverter Power	5.5 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temp.	-10 ~ 50 °C
Pump Model	SPB4-2-3
Pump Power	3 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temp.	1 - 35 °C



### Dimension, Weight and Material

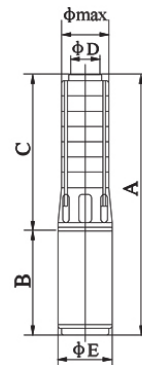
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 1891 mm
B = 581 mm
C = 1310 mm
ΦD = 1"1/4
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	38.4 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	45.1 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.07 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

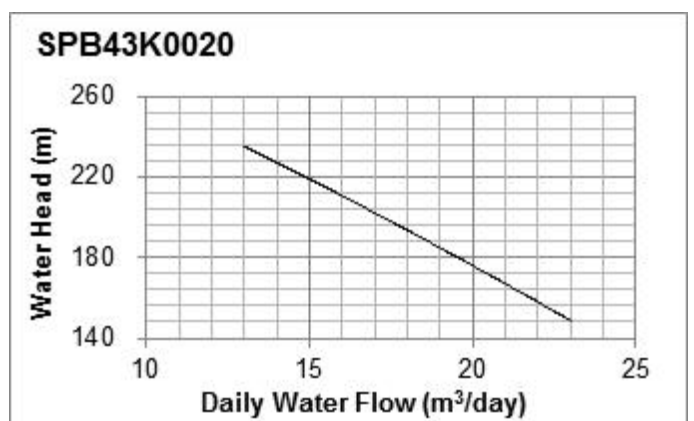
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day





# SPB47K5070

## Solar Pump

### Performance

Water Head	217 - 143 m
Daily Water Flow	40 - 70 m <sup>3</sup>

### Technical Data

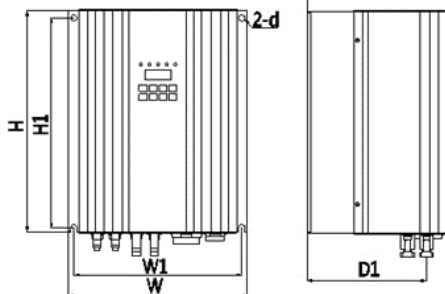
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	50 mm, 2"
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PB11KH
Inverter Power	11 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temp.	-10 ~ 50 °C
Pump Model	SPB4-8-7.5
Pump Power	7.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temp.	1 - 35 °C



### Dimension, Weight and Material

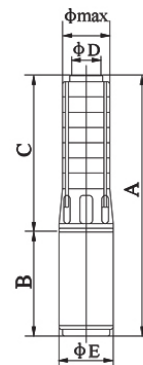
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 2225 mm
B = 860 mm
C = 1365 mm
ΦD = 2"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	52.1 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	59.5 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.08 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

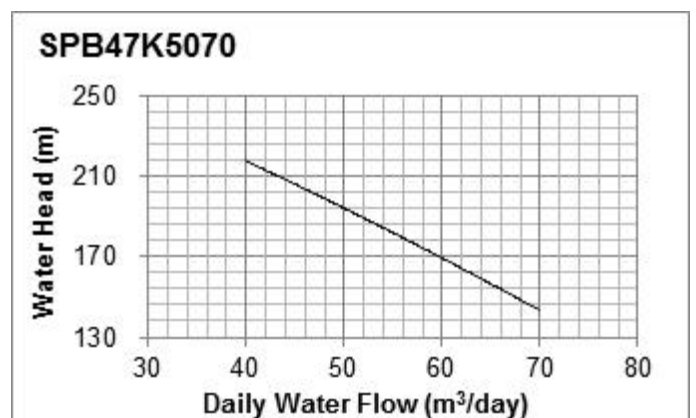
#### Standards

CE	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

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### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB65K5160

## Solar Pump

### Performance

Water Head	79 - 43 m
Daily Water Flow	80 - 160 m <sup>3</sup>

### Technical Data

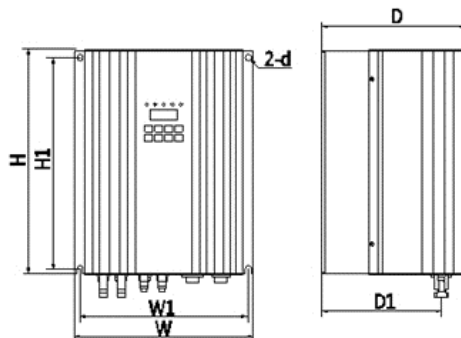
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	2"1/2
Adapting Well Dia.	200-250 mm
Solar Pumping Inverter Model	PB7500H
Inverter Power	7.5 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temperature	-10 ~ 50 °C
Pump Model	SPB6-17-5.5a
Motor Power	5.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

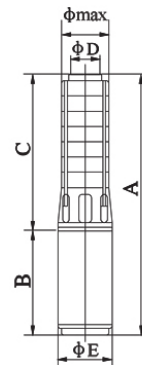
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 1652 mm
B = 840 mm
C = 812 mm
ΦD = Rp2 1/2
ΦE = 143 mm
Φmax = 133 mm



Solar Pump Net Weight	57.7 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	70.1 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.11 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

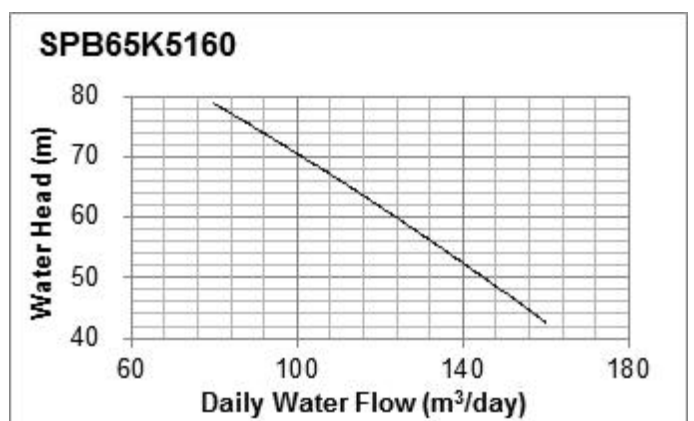
Inverter	3 years
Pump	1 year

#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB47K5100

## Solar Pump

### Performance

Water Head	107 - 83 m
Daily Water Flow	70 - 100 m <sup>3</sup>

### Technical Data

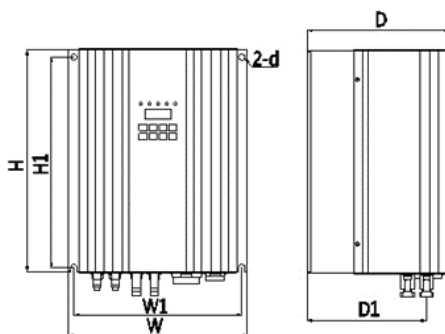
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	50 mm, 2"
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PB11KH
Inverter Power	11 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temp.	-10 ~ 50 °C
Pump Model	SPB4-14-7.5
Pump Power	7.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temp.	1 - 35 °C



### Dimension, Weight and Material

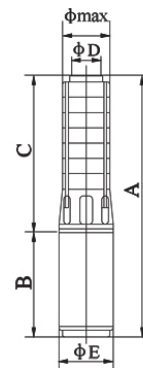
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 1897 mm
B = 860 mm
C = 1037 mm
ΦD = 2"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	49.6 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	56.3 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.07 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

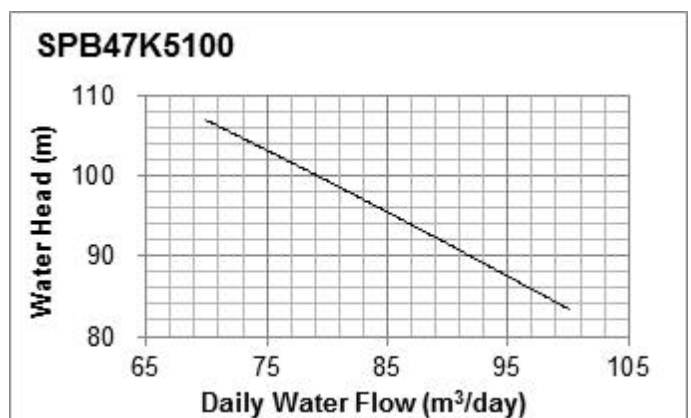
#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

\*All specifications and information are provided with good intent, products may be subject to change without notice.

### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB45K5070

## Solar Pump

### Performance

Water Head	175 - 117 m
Daily Water Flow	40 - 70 m <sup>3</sup>

### Technical Data

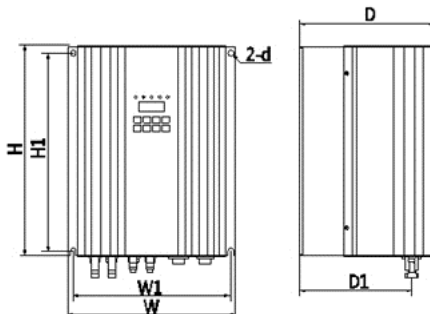
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	50 mm, 2"
Adapting Well Dia.	125 mm
Solar Pumping Inverter Model	PB7500H
Inverter Power	7.5 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temp.	-10 ~ 50 °C
Pump Model	SPB4-8-5.5
Pump Power	5.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temp.	1 - 35 °C



### Dimension, Weight and Material

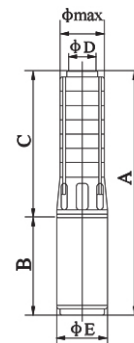
#### Inverter

- W = 250 mm
- H = 310 mm
- D = 200 mm
- W1 = 235 mm
- H1 = 295 mm
- D1 = 167 mm
- d = 7 mm



#### Pump

- A = 1858 mm
- B = 740 mm
- C = 1118 mm
- ΦD = 2"
- ΦE = 95 mm
- Φmax = 100 mm



Solar Pump Net Weight	43.2 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	50.0 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.07 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

Inverter	3 years
Pump	1 year

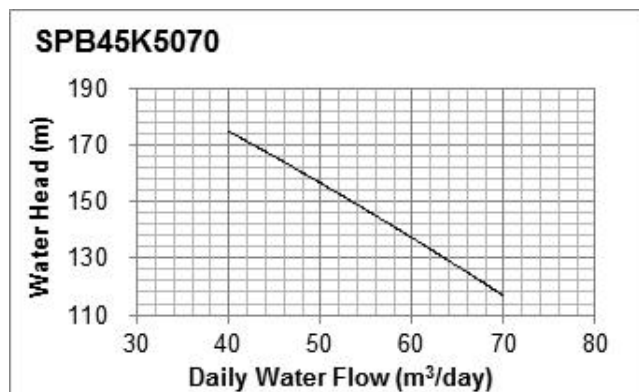
#### Standards



- EN 61000-6-3:2007+A1:2011
- EN 61000-6-1:2007
- EN 60335-1:2012
- EN 60335-2-41:2003
- +A1:2004+A2:2010

### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB69K2260

## Solar Pump

### Performance

Water Head	84 - 53 m
Daily Water Flow	160 - 260 m <sup>3</sup>

### Technical Data

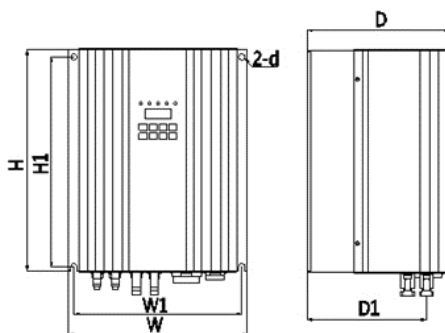
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	3"
Adapting Well Dia.	200-250 mm
Solar Pumping Inverter Model	PB11KH
Inverter Power	11 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temperature	-10 ~ 50 °C
Pump Model	SPB6-30-9.2
Motor Power	9.2 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

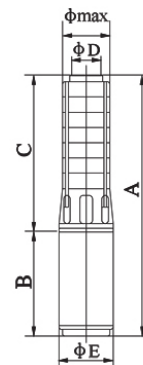
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 2139 mm
B = 897 mm
C = 1242 mm
ΦD = Rp3
ΦE = 143 mm
Φmax = 133 mm



Solar Pump Net Weight	85.2 kg
Solar Pump Gross Weight	100.9 kg
Solar Pump Volume	0.14 m <sup>3</sup>

Pump Impeller Material	AISI 304
Pump Body Material	AISI 304
Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

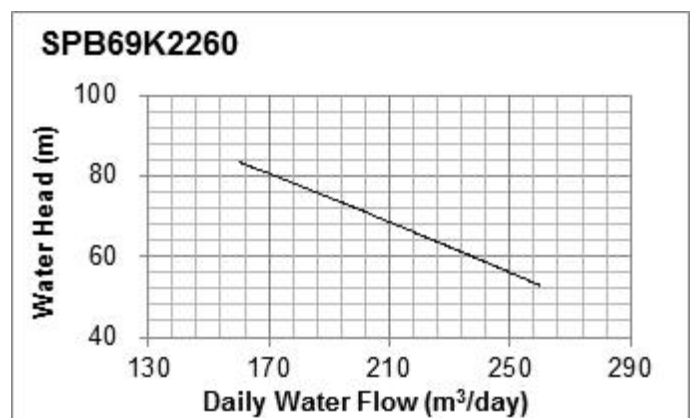
Inverter	3 years
Pump	1 year

#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



# SPB615K260

## Solar Pump

### Performance

Water Head	134 - 85 m
Daily Water Flow	160 - 260 m <sup>3</sup>

### Technical Data

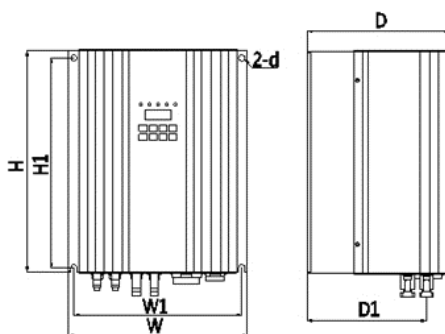
Pump Specifications	3PH 380V 50Hz
Pump Outlet Dia.	3"
Adapting Well Dia.	200-250 mm
Solar Pumping Inverter Model	PB18KH
Inverter Power	18.5 kW
Max. DC Input Voltage	750 V
Recommended MPP Voltage	500-600VDC
Inverter Ambient Temperature	-10 ~ 50 °C
Pump Model	SPB6-30-15
Motor Power	15 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C



### Dimension, Weight and Material

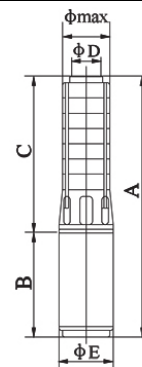
#### Inverter

W = 250 mm
H = 310 mm
D = 200 mm
W1 = 235 mm
H1 = 295 mm
D1 = 167 mm
d = 7 mm



#### Pump

A = 2848 mm
B = 1030 mm
C = 1818 mm
ΦD = Rp3
ΦE = 143 mm
Φmax = 133 mm



Solar Pump Net Weight	114.4 kg	Pump Impeller Material	AISI 304
Solar Pump Gross Weight	134.9 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.17 m <sup>3</sup>	Inverter Enclosure Material	Aluminium Alloy

### Relevant Information

#### Warranty

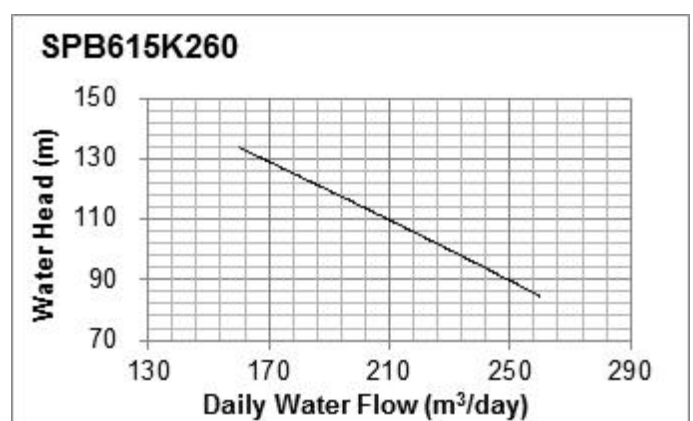
Inverter	3 years
Pump	1 year

#### Standards

<b>CE</b>	EN 61000-6-3:2007+A1:2011
	EN 61000-6-1:2007
	EN 60335-1:2012
	EN 60335-2-41:2003
	+A1:2004+A2:2010

### Performance Curve

Solar Radiation : 6kWh/m<sup>2</sup>/day



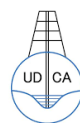
# Our Brands



Intelligent  
Renewable  
Power  
Solution



# Our Partners



Uganda Drilling  
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MINISTRY OF WATER AND ENVIRONMENT  
REPUBLIC OF UGANDA



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