SPM600C

Solartech Permanent Magnet Solar Pump

Performance

Water Head	18 - 4 m
Daily Water Flow	18 - 25 m³

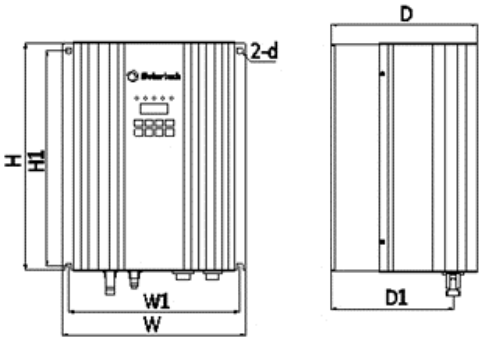
Technical Data

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 ℃
Pump Model	SPM4-3-0.6C
Pump Power	600 W
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

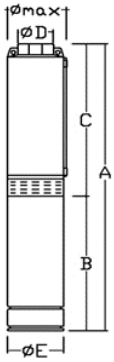
Inverter

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



Pump

A = 720 mm
B = 351 mm
C = 369 mm
ΦD = 1"1/4
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	12 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	14.8 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	Inverter Enclosure Material	Aluminium Alloy

Relevant Information

Warranty

Inverter	3 years
Pump	1 year

Standards

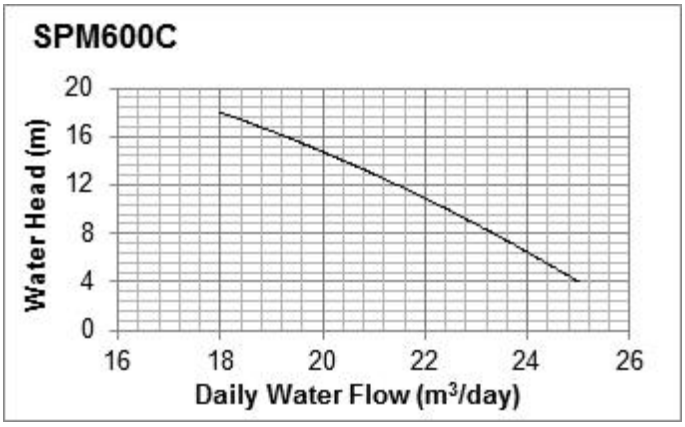
CE

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/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM600H

Solartech Permanent Magnet Solar Pump

Performance

Water Head	80 - 18 m
Daily Water Flow	2 - 18 m³

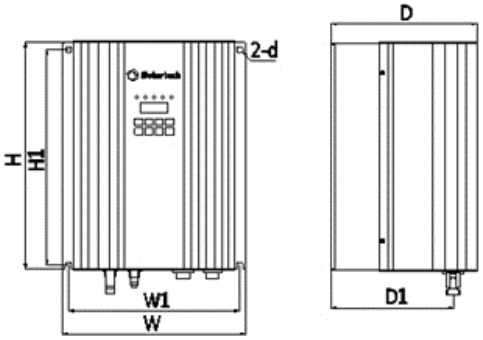
Technical Data

Pump Specifications	Helical Rotor Pump 48V 110Hz
Pump Outlet Dia.	25 mm, 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 ℃
Pump Model	SPM4-2-0.6H
Pump Power	600 W
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

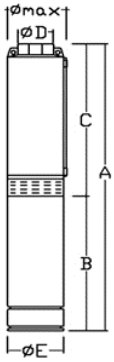
Inverter

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



Pump

A = 560 mm
B = 351 mm
C = 209 mm
ΦD = 1"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	12.8 kg	Pump Screw Material	AISI 304
Solar Pump Gross Weight	16.3 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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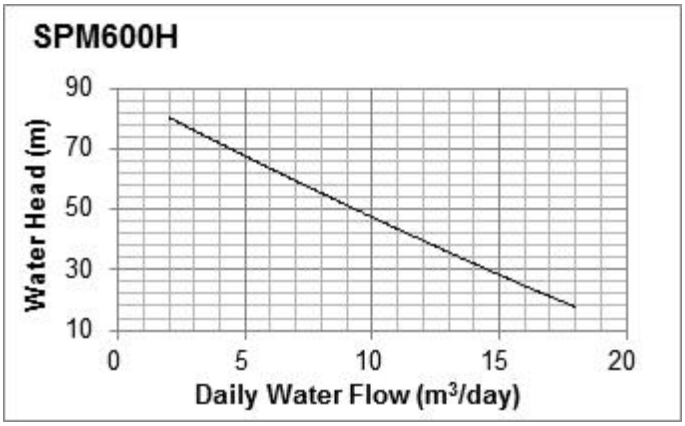
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM3500C022

Solartech Permanent Magnet Solar Pump

Performance

Water Head	30 - 1 m
Daily Water Flow	8.5 - 22.5 m³

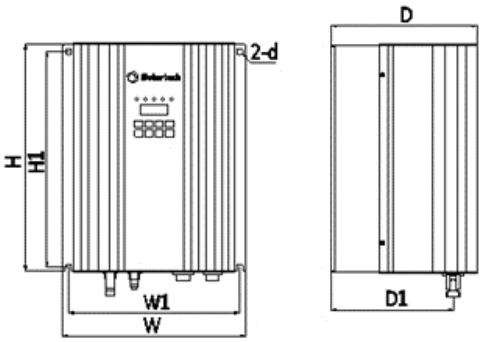
Technical Data

Pump Specifications	Centrifugal Pump 48V 110Hz
Pump Outlet Dia.	25 mm, 1"
Adapting Well Dia.	100 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 ℃
Pump Model	SPM3-2.2-0.5C
Pump Power	0.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

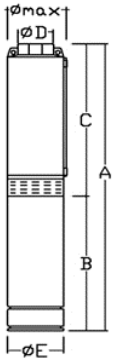
Inverter

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



Pump

A = 950 mm
B = 309 mm
C = 641 mm
ΦD = 1"
ΦE = 70 mm
Φmax = 75 mm



Solar Pump Net Weight	11 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	12.9 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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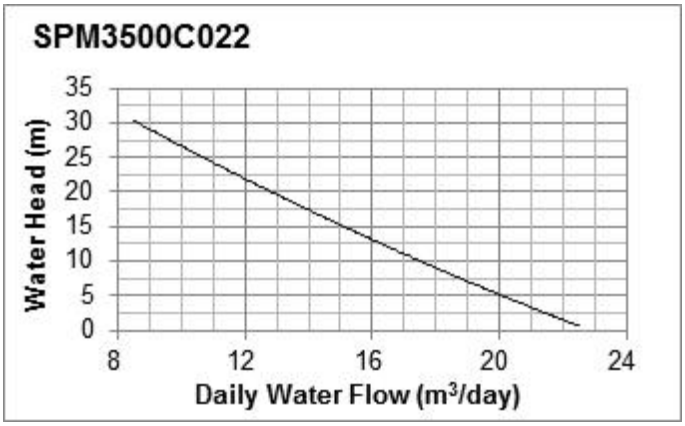
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM3500H025

Solartech Permanent Magnet Solar Pump

Performance

Water Head	30 - 1 m
Daily Water Flow	10 - 25 m³

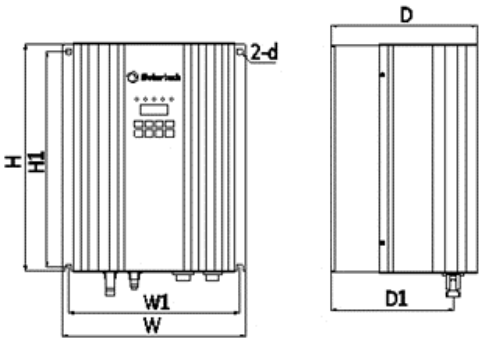
Technical Data

Pump Specifications	Helical Rotor Pump 48V 110Hz
Pump Outlet Dia.	25 mm, 1"
Adapting Well Dia.	100 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 ℃
Pump Model	SPM3-1.9-0.5H
Pump Power	0.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

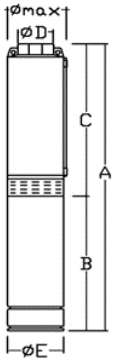
Inverter

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



Pump

A = 510 mm
B = 312 mm
C = 198 mm
ΦD = 1"
ΦE = 70 mm
Φmax = 75 mm



Solar Pump Net Weight	9.4 kg	Pump Screw Material	AISI 304
Solar Pump Gross Weight	10.8 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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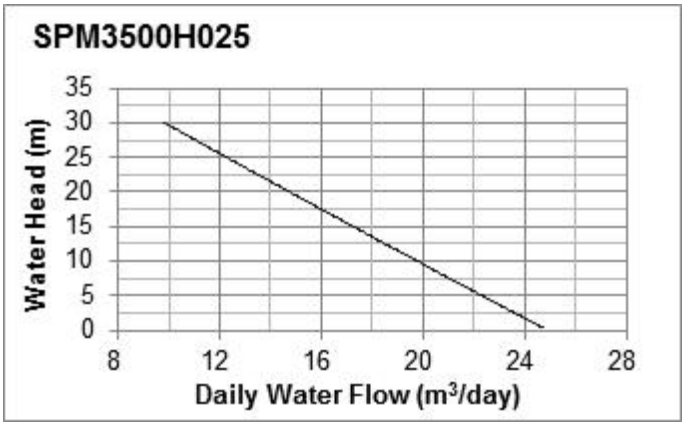
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
+86-755-8615-1708
Fax: +86-755-8615-1018
www.solartech.cn

SPM1200H

Solartech Permanent Magnet Solar Pump

Performance

Water Head	178 - 64 m
Daily Water Flow	3 - 11.5 m³

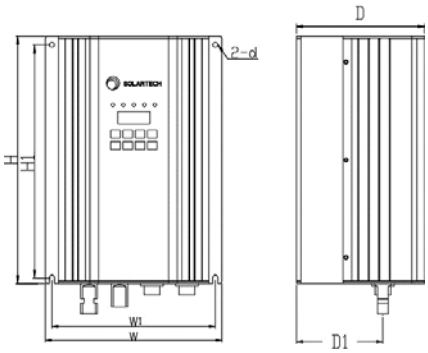
Technical Data

Pump Specifications	Helical Rotor Pump 110V 110Hz
Pump Outlet Dia.	25 mm, 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 ℃
Pump Model	SPM4-1.4-1.1H
Pump Power	1.1 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

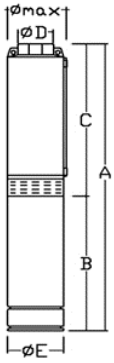
Inverter

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



Pump

A = 600 mm
B = 358 mm
C = 242 mm
ΦD = 1"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	15.8 kg	Pump Screw Material	AISI 304
Solar Pump Gross Weight	17.4 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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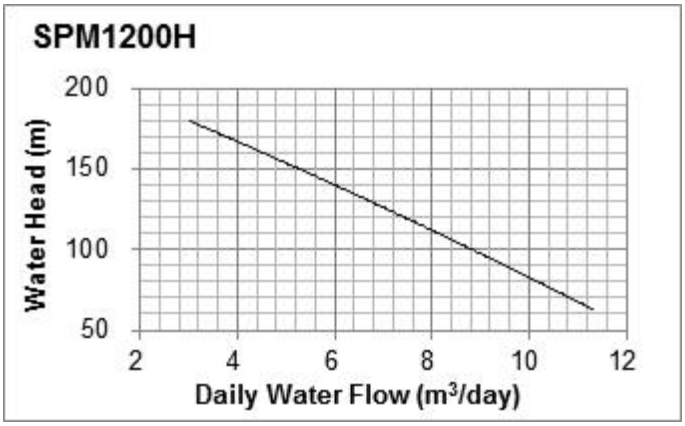
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM41200C018

Solartech Permanent Magnet Solar Pump

Performance

Water Head	64 - 43 m
Daily Water Flow	11.5 - 18 m³

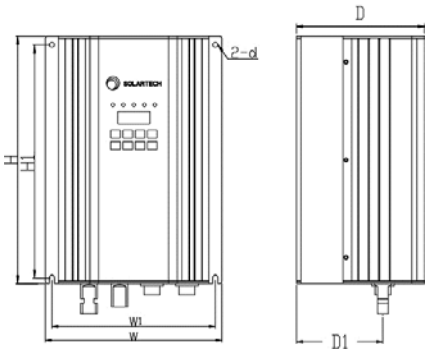
Technical Data

Pump Specifications	Centrifugal Pump 110V 110Hz
Pump Outlet Dia.	30 mm, 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 ℃
Pump Model	SPM4-2-1.1C
Pump Power	1.1 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

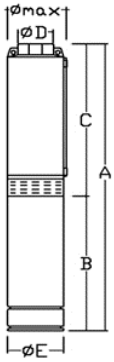
Inverter

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



Pump

A = 900 mm
B = 352 mm
C = 548 mm
ΦD = 1"1/4
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	18.3 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	20.2 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.05 m³	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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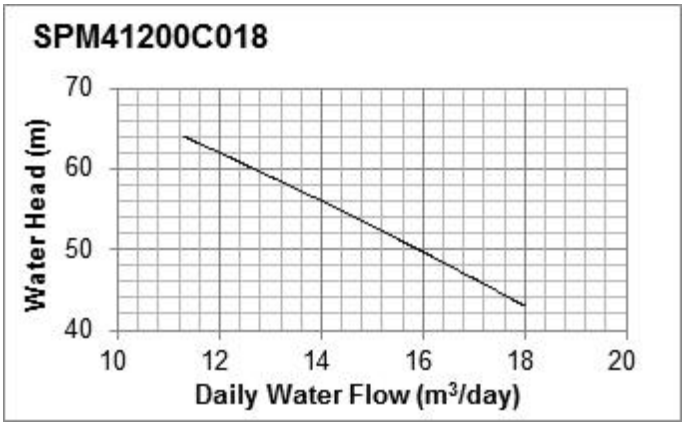
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM41200C033

Solartech Permanent Magnet Solar Pump

Performance

Water Head	43 - 22 m
Daily Water Flow	18 - 33 m³

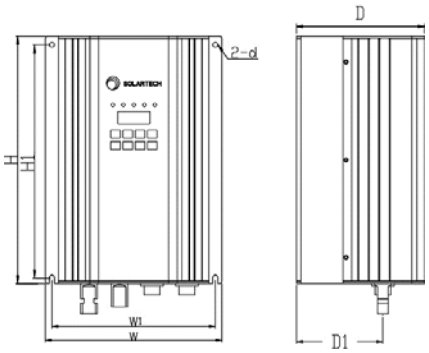
Technical Data

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 ℃
Pump Model	SPM4-4.5-1.1C
Pump Power	1.1 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

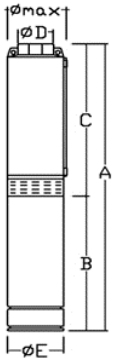
Inverter

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



Pump

A = 830 mm
B = 352 mm
C = 478 mm
ΦD = 1"1/2
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	17.9 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	19.7 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.05 m³	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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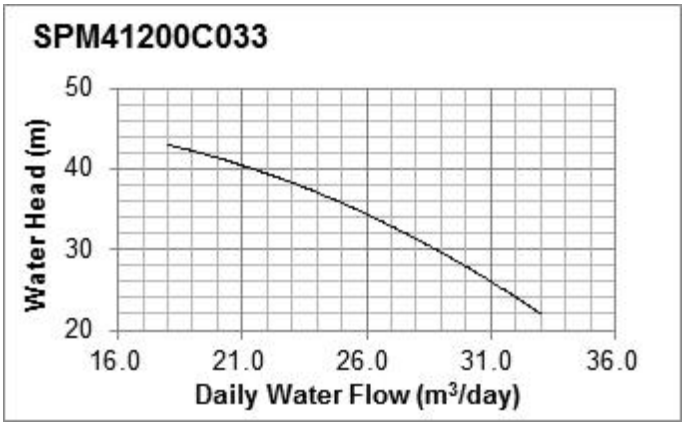
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM41800C018

Solartech Permanent Magnet Solar Pump

Performance

Water Head	86 - 59 m
Daily Water Flow	10 - 18 m³

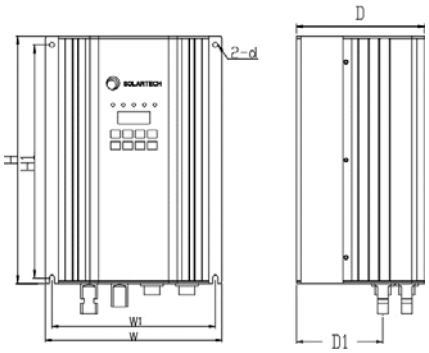
Technical Data

Pump Specifications	Centrifugal Pump 110V 110Hz
Pump Outlet Dia.	30 mm, 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 ℃
Pump Model	SPM4-2-1.5C
Pump Power	1.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

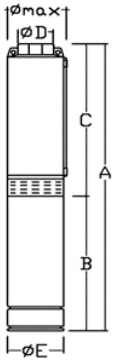
Inverter

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



Pump

A = 1040 mm
B = 389 mm
C = 651 mm
ΦD = 1"1/4
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	20.3 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	22.5 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.05 m³	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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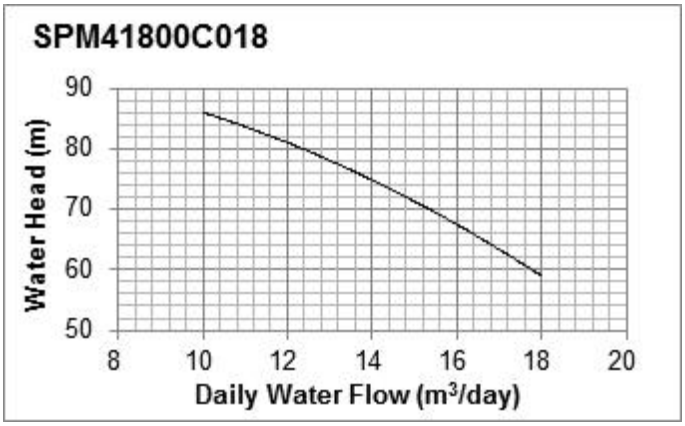
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM41800C036

Solartech Permanent Magnet Solar Pump

Performance

Water Head	59 - 39 m
Daily Water Flow	18 - 36 m³

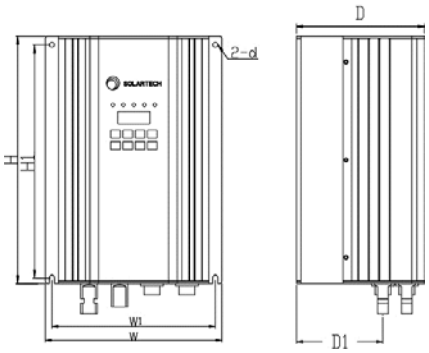
Technical Data

Pump Specifications	Centrifugal Pump110V 110Hz
Pump Outlet Dia.	40 mm, 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 ℃
Pump Model	SPM4-4-1.5C
Pump Power	1.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

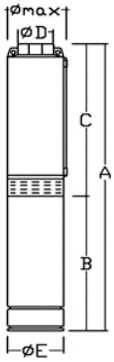
Inverter

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



Pump

A = 1030 mm
B = 393 mm
C = 637 mm
ΦD = 1"1/2
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	20 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	22.2 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.05 m³	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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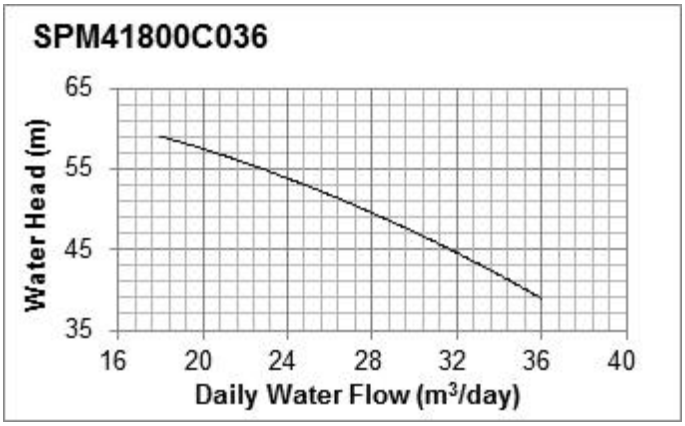
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM41200C076

Solartech Permanent Magnet Solar Pump

Performance

Water Head	22 - 11 m
Daily Water Flow	36 - 76 m³

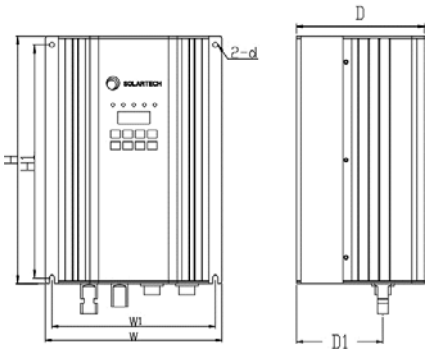
Technical Data

Pump Specifications	Centrifugal Pump110V 110Hz
Pump Outlet Dia.	50 mm, 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 ℃
Pump Model	SPM4-7-0.75
Pump Power	0.75 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

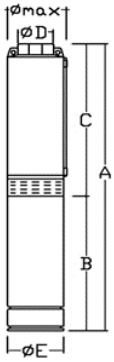
Inverter

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



Pump

A = 794 mm
B = 352 mm
C = 442 mm
ΦD = 2"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	15.4 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	18.1 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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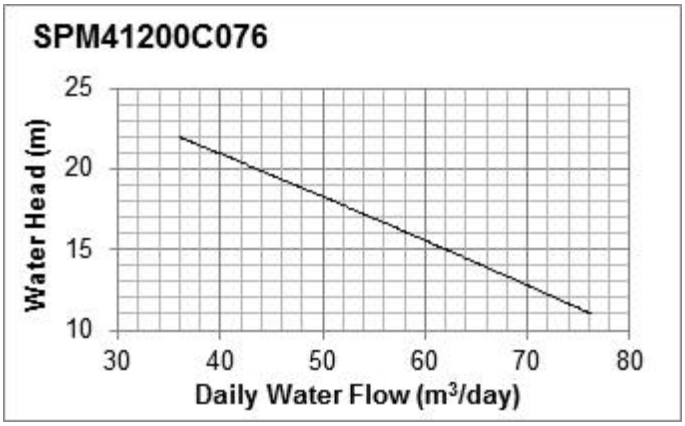
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM41200C115

Solartech Permanent Magnet Solar Pump

Performance

Water Head	10 - 7 m
Daily Water Flow	76 - 115 m³

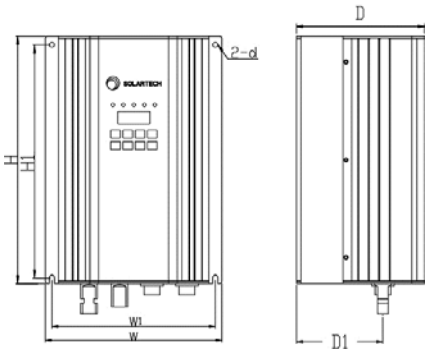
Technical Data

Pump Specifications	Centrifugal Pump110V 110Hz
Pump Outlet Dia.	50 mm, 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 ℃
Pump Model	SPM4-10-0.75
Pump Power	0.75 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

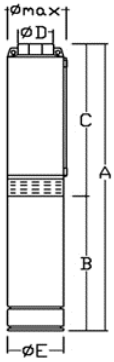
Inverter

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



Pump

A = 767 mm
B = 352 mm
C = 415 mm
ΦD = 2"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	14.9 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	17.6 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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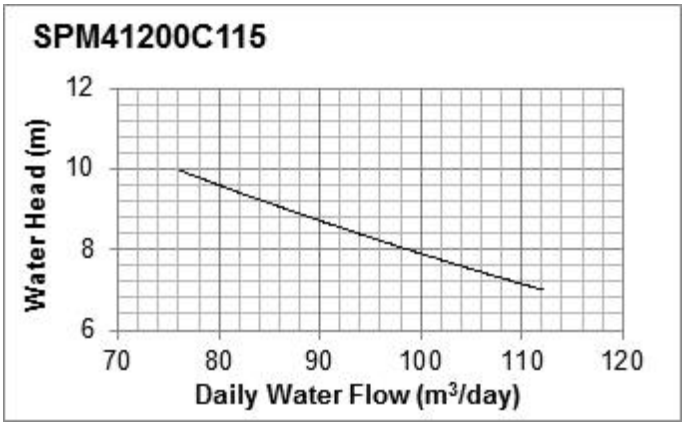
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM41800C076

Solartech Permanent Magnet Solar Pump

Performance

Water Head	34 - 16 m
Daily Water Flow	34 - 76 m³

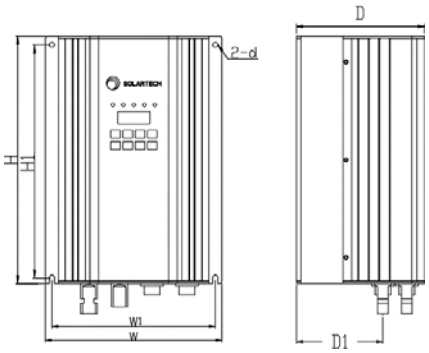
Technical Data

Pump Specifications	Centrifugal Pump110V 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 ℃
Pump Model	SPM4-7-1.1
Pump Power	1.1 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

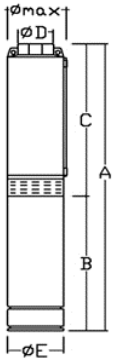
Inverter

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



Pump

A = 889 mm
B = 352 mm
C = 537 mm
ΦD = 2"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	16.3 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	19.1 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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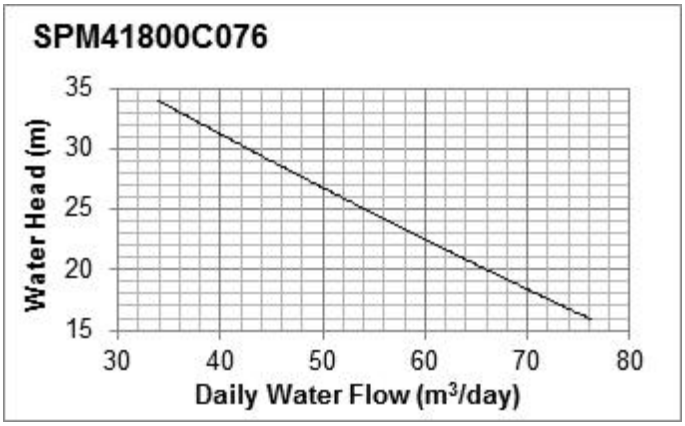
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM61800C095

Solartech Permanent Magnet Solar Pump

Performance

Water Head	27 - 20 m
Daily Water Flow	64 - 95 m³

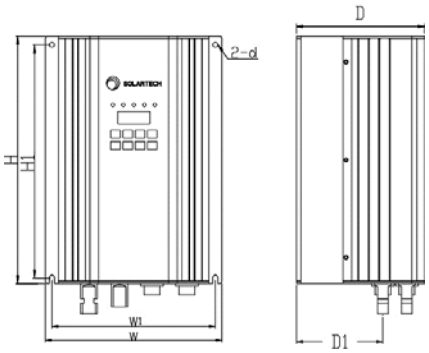
Technical Data

Pump Specifications	Centrifugal Pump110V 110Hz
Pump Outlet Dia.	65 mm, 2"1/2
Adapting Well Dia.	200 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 ℃
Pump Model	SPM6-12-1.5
Pump Power	1.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

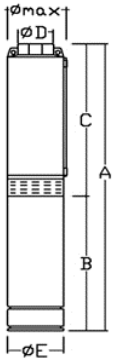
Inverter

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



Pump

A = 860 mm
B = 375 mm
C = 485 mm
ΦD = 2"1/2
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	23.5 kg	Pump Impeller Material	PPO
Solar Pump Gross Weight	27.1 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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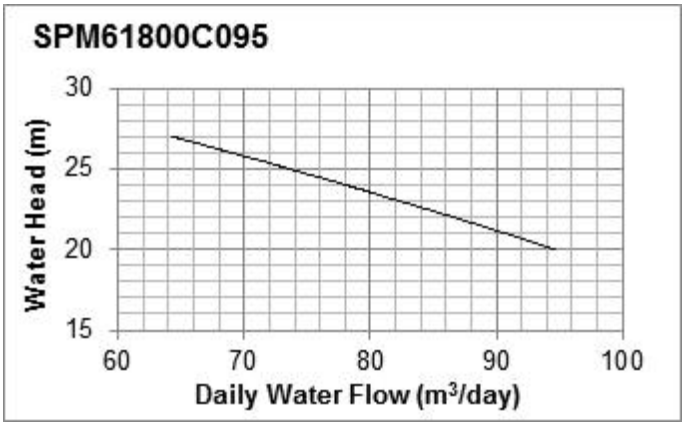
Performance Curve

Solar Radiation : 6kWh/m²/day



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Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
Fax: +86-755-8615-1018
+86-755-8615-1708
www.solartech.cn

SPM41800C125

Solartech Permanent Magnet Solar Pump

Performance

Water Head	16 - 11 m
Daily Water Flow	76 - 125 m³

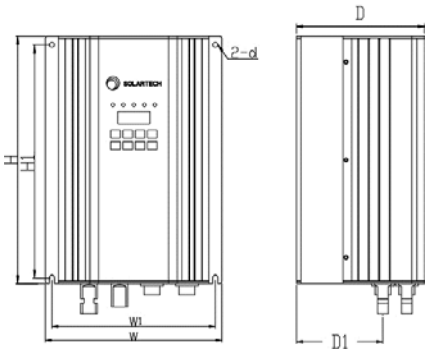
Technical Data

Pump Specifications	Centrifugal Pump110V 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 ℃
Pump Model	SPM4-14-1.5
Pump Power	1.5 kW
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 ℃

Dimension, Weight and Material

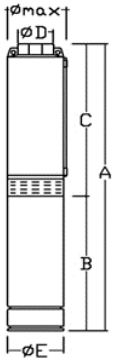
Inverter

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



Pump

A = 859 mm
B = 375 mm
C = 484 mm
ΦD = 2"
ΦE = 95 mm
Φmax = 100 mm



Solar Pump Net Weight	19 kg	Pump Impeller Material	POM
Solar Pump Gross Weight	22.1 kg	Pump Body Material	AISI 304
Solar Pump Volume	0.04 m³	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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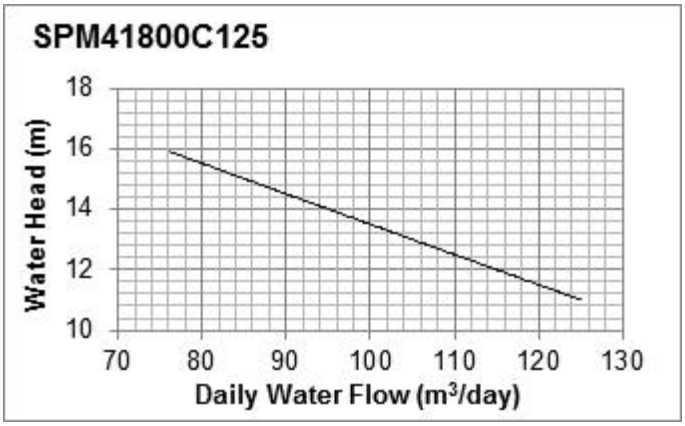
Performance Curve

Solar Radiation : 6kWh/m²/day



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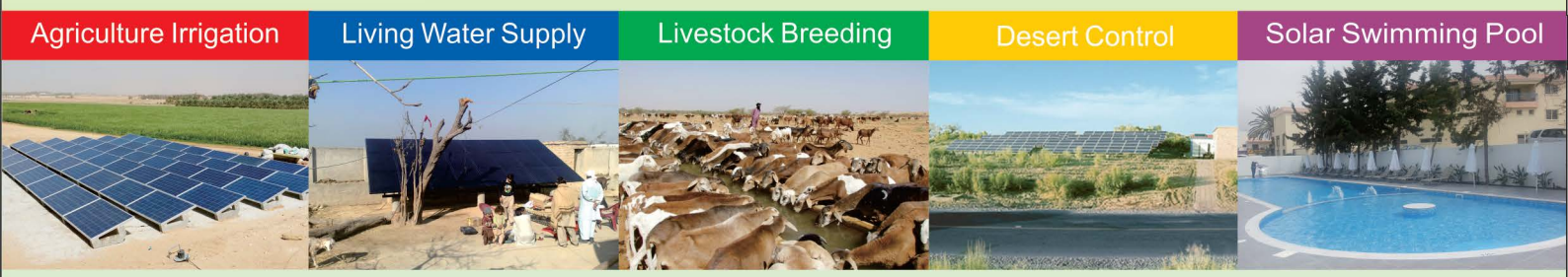
Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615-1728
+86-755-8615-1708
Fax: +86-755-8615-1018
www.solartech.cn

Solartech®

Solartech SPM Series Permanent Magnet Solar Pump

Max. Flow: 125m³/day, Max. lift: 180m



Features

- High efficient DC brushless motor requires less solar array. Rich social benefits.
- Optional centrifugal pump for big flow and helical rotor pump for high lift.
- High efficient semiconductor device used in main circuit. High reliability. Up to 98% conversion efficiency of controller.
- Independent intellectual property of dynamic VI maximum power point tracking (MPPT) algorithm. Fast response and good stability. 99% MPPT efficiency.
- Full automatic operation. Complete protection functions. Integrated with water level monitor to prevent overflow and dry running.
- Full aluminum alloy case. IP52 protection grade. Ambient temperature: -20 ~ +60℃.

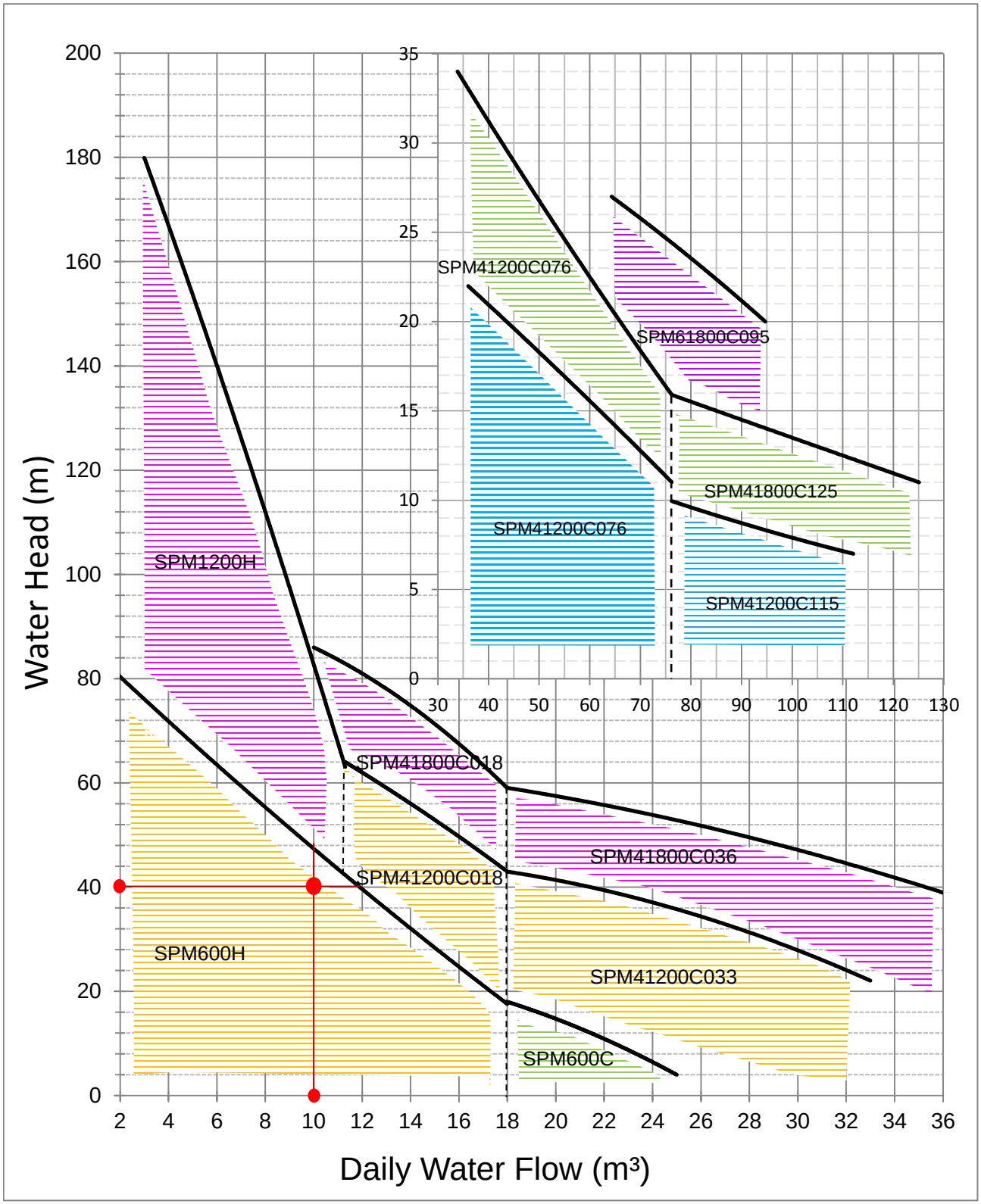
Specifications

Model	Rated Power	Max. Flow	Water Head	Daily Water Supply	Outlet Dia.	Pump Dia.	Max. Input Power	Max. DC Input Voltage	Recommended MPP Voltage
SPM600H	600W	2 m³/h	80 - 18 m	2 - 18 m³	1"	4"	1000W	150VDC	60 - 120VDC
SPM600C	600W	3.5 m³/h	18 - 4 m	18 - 25 m³	1"1/4	4"	1000W	150VDC	60 - 120VDC
SPM1200H	1200W	1.5 m³/h	178 - 64 m	3 - 11.5 m³	1"	4"	2000W	200VDC	120 - 160VDC
SPM41200C018	1200W	3 m³/h	64 - 43 m	11.5 - 18 m³	1"1/4	4"	2000W	200VDC	120 - 160VDC
SPM41200C033	1200W	5.5 m³/h	43 - 22 m	18 - 33 m³	1"1/2	4"	2000W	200VDC	120 - 160VDC
SPM41200C076	1200W	10 m³/h	22 - 11 m	36 - 76 m3	2"	4"	2000W	200VDC	120 - 160VDC
SPM41200C115	1200W	16 m³/h	10 - 7 m	76 - 115 m³	2"	4"	2000W	200VDC	120 - 160VDC
SPM41800C018	1800W	3 m³/h	86 - 59 m	10 - 18 m³	1"1/4	4"	3000W	200VDC	120 - 160VDC
SPM41800C036	1800W	6 m³/h	59 - 39 m	18 - 36 m³	1"1/2	4"	3000W	200VDC	120 - 160VDC
SPM41800C076	1800W	10 m³/h	34 - 16 m	34 - 76 m³	2"	4"	3000W	200VDC	120 - 160VDC
SPM61800C095	1800W	14 m³/h	27 - 20 m	64 - 95 m³	2"1/2	6"	3000W	200VDC	120 - 160VDC
SPM41800C125	1800W	20 m³/h	16 - 11 m	76 - 125 m³	2"	4"	3000W	200VDC	120 - 160VDC

Shenzhen Solartech Renewable Energy Co., Ltd
E-mail: sales@solartech.net.cn
Tel: +86-755-8615 1728
+86-755-8615 1708
Fax: +86-755-8615-1018
www.solartech.cn

Solar Pump Selection

Head/Lift Range: 4-180m. Daily Water Supply Range: 2-125 m^3/day. Solar Radiation: 6kWh/m^2/day.



Steps for System Design:

- To confirm the basic requirements of water consumption: Head and Daily water consumption; (e.g. 40m)
- Y axis corresponds to Head; X axis corresponds to Daily water supply; (e.g. 10m^3/day)
- To adjust the system configuration in accordance with the local solar radiation condition. (e.g. SPM600H)