



**SOLAR WATER &
BOREHOLE PUMP CHARTS FOR :
LORENTZ PS4000**

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PS4000 C-SJ3-32

Solar submersible pump system for 4" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1280
Total dynamic head	max. 160 m
Flow rate	max. 4,2 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE C-SJ3-32

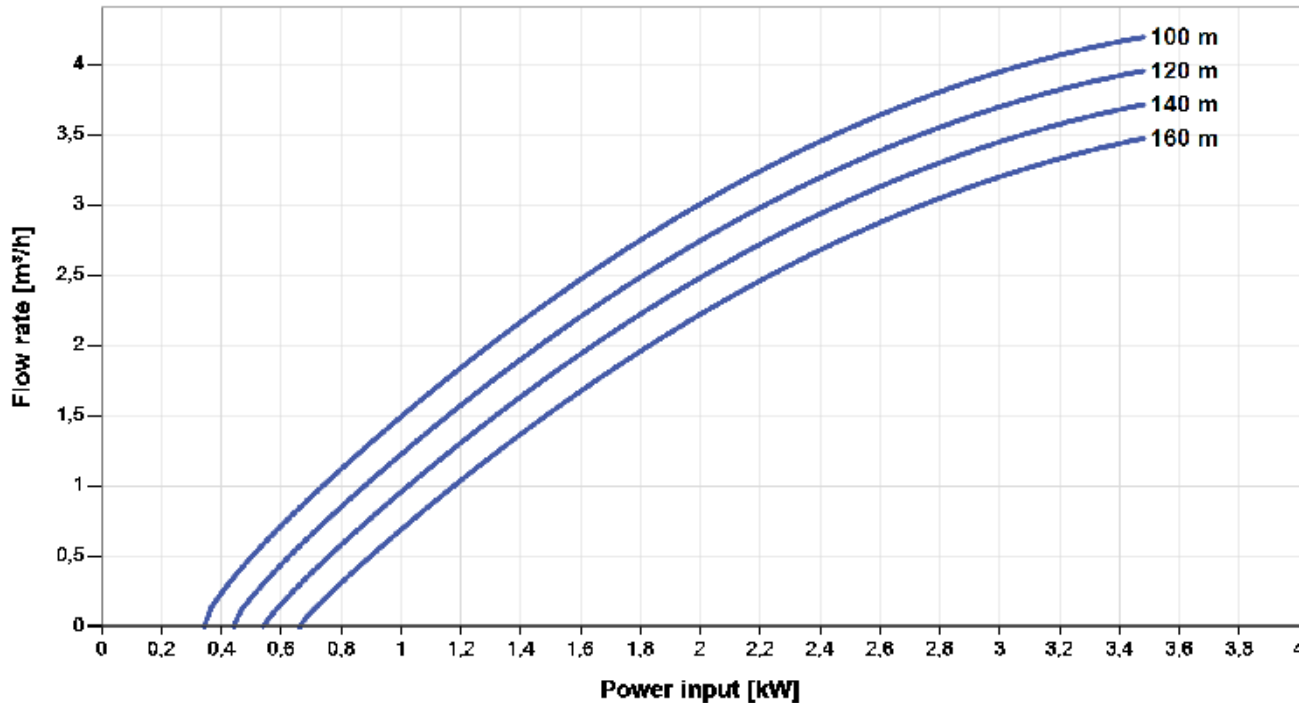
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ3-32

Solar submersible pump system for 4" wells

Pump chart

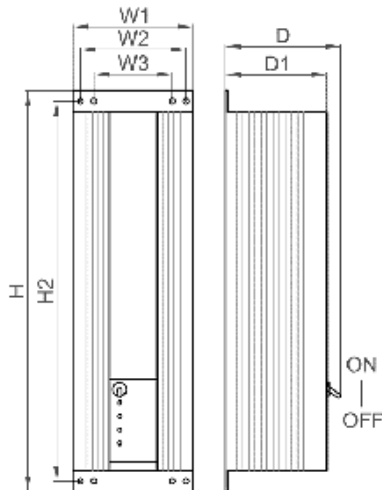
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

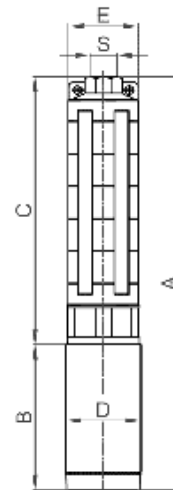
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 1.088 m
 B = 245 mm
 C = 843 mm
 D = 96 mm
 E = 98 mm
 S = 1,25 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m ³	9,9 kg
Pump unit	20 kg	1.270x160x160 mm	0,033 m ³	21 kg
Motor	10 kg	160x140x400 mm	0,009 m ³	10 kg
Pump end	9,5 kg	970x160x150 mm	0,023 m ³	10 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 C-SJ5-25

Solar submersible pump system for 4" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1281
Total dynamic head	max. 140 m
Flow rate	max. 7,0 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE C-SJ5-25

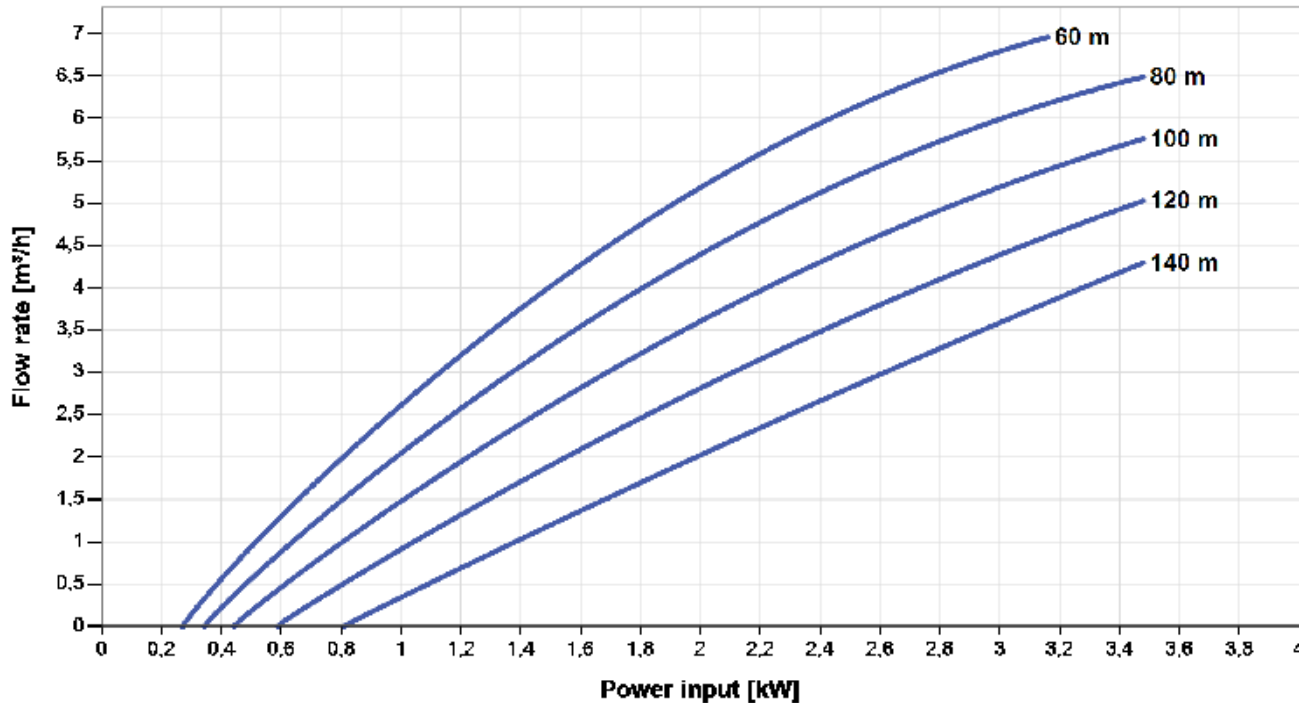
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ5-25

Solar submersible pump system for 4" wells

Pump chart

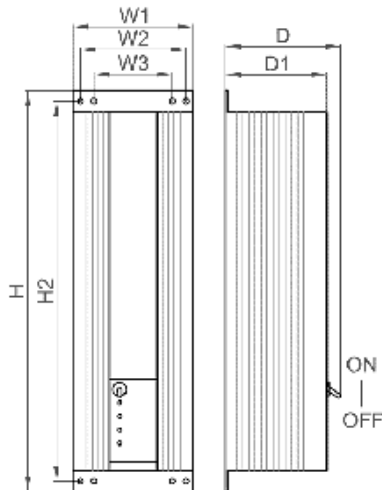
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

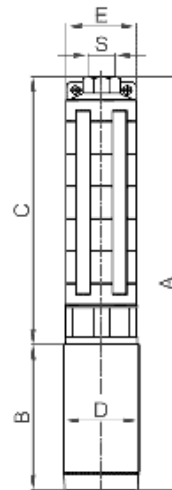
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 941 mm
 B = 245 mm
 C = 696 mm
 D = 96 mm
 E = 98 mm
 S = 1,5 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m³	9,9 kg
Pump unit	18 kg	1.030x160x150 mm	0,025 m³	19 kg
Motor	10 kg	160x140x400 mm	0,009 m³	10 kg
Pump end	8,0 kg	850x160x150 mm	0,020 m³	8,6 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 C-SJ8-15

Solar submersible pump system for 4" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1282
Total dynamic head	max. 80 m
Flow rate	max. 14 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE C-SJ8-15

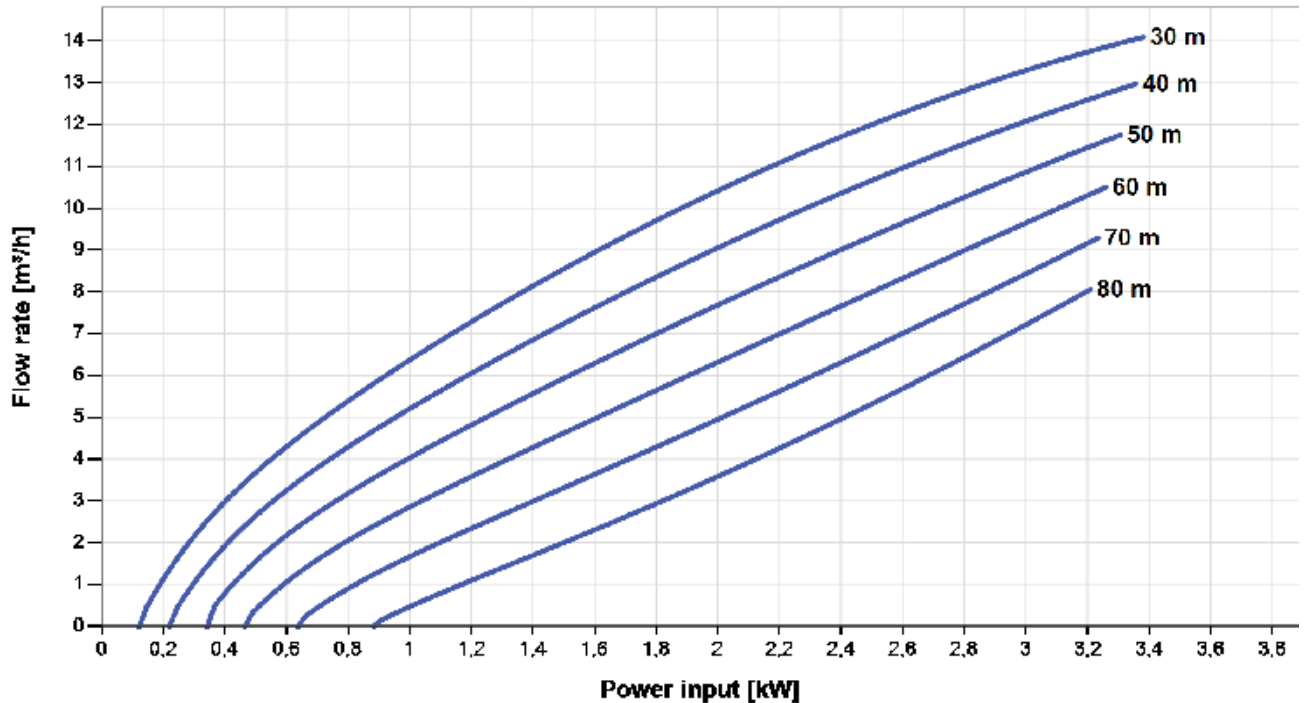
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ8-15

Solar submersible pump system for 4" wells

Pump chart

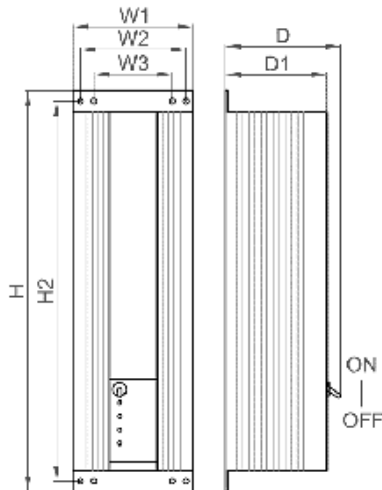
Max. power voltage (Vmp**): > 238 V



Dimensions and weights

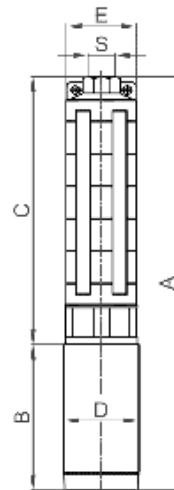
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 1.118 mm
 B = 245 mm
 C = 873 mm
 D = 96 mm
 E = 98 mm
 S = 2 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m³	9,9 kg
Pump unit	21 kg	1.270x160x160 mm	0,033 m³	22 kg
Motor	10 kg	160x140x400 mm	0,009 m³	10 kg
Pump end	11 kg	970x160x150 mm	0,023 m³	11 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 C-SJ17-4

Solar submersible pump system for 6" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1286
Total dynamic head	max. 45 m
Flow rate	max. 25 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE C-SJ17-4

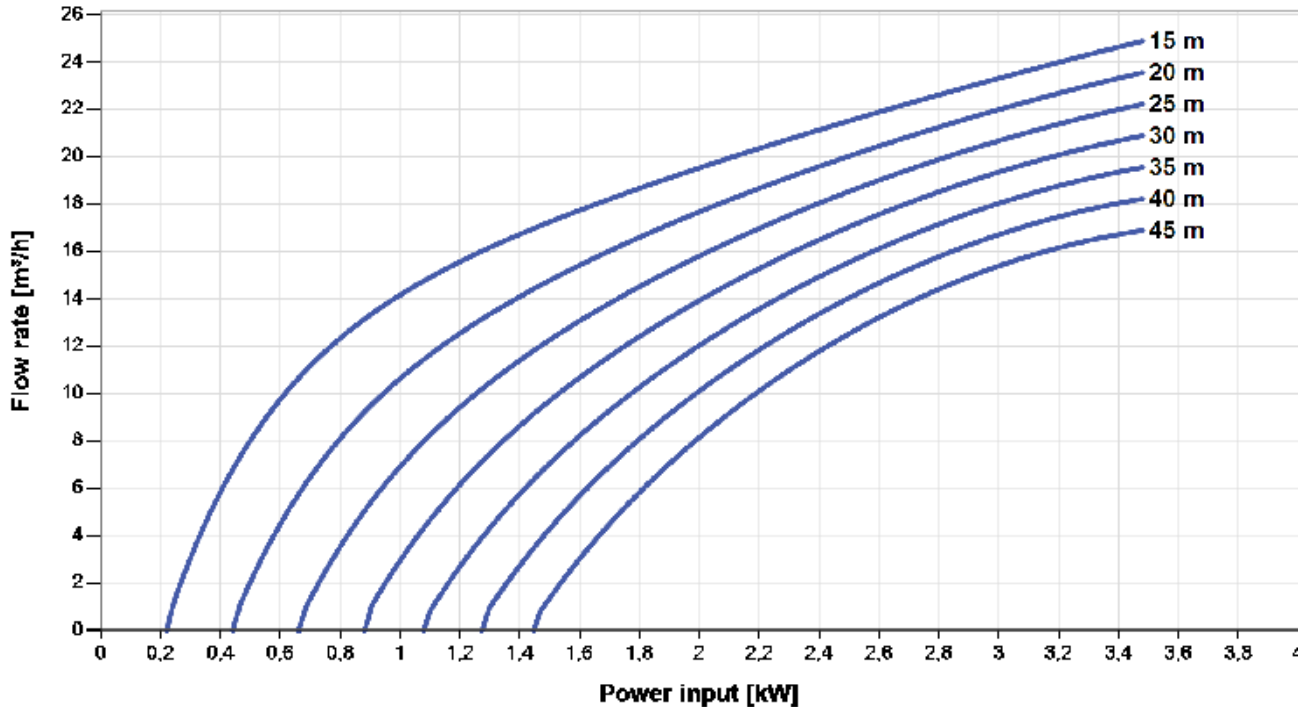
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ17-4

Solar submersible pump system for 6" wells

Pump chart

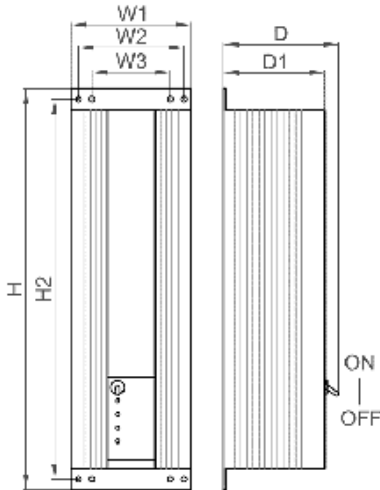
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

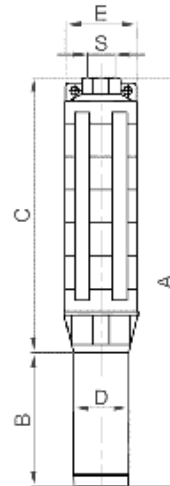
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 754 mm
 B = 245 mm
 C = 509 mm
 D = 96 mm
 E = 133 mm
 S = 2,5 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m ³	9,9 kg
Pump unit	21 kg	850x160x150 mm	0,020 m ³	21 kg
Motor	10 kg	160x140x400 mm	0,009 m ³	10 kg
Pump end	11 kg	650x160x150 mm	0,016 m ³	11 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 C-SJ30-2

Solar submersible pump system for 6" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1288
Total dynamic head	max. 22 m
Flow rate	max. 45 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE C-SJ30-2

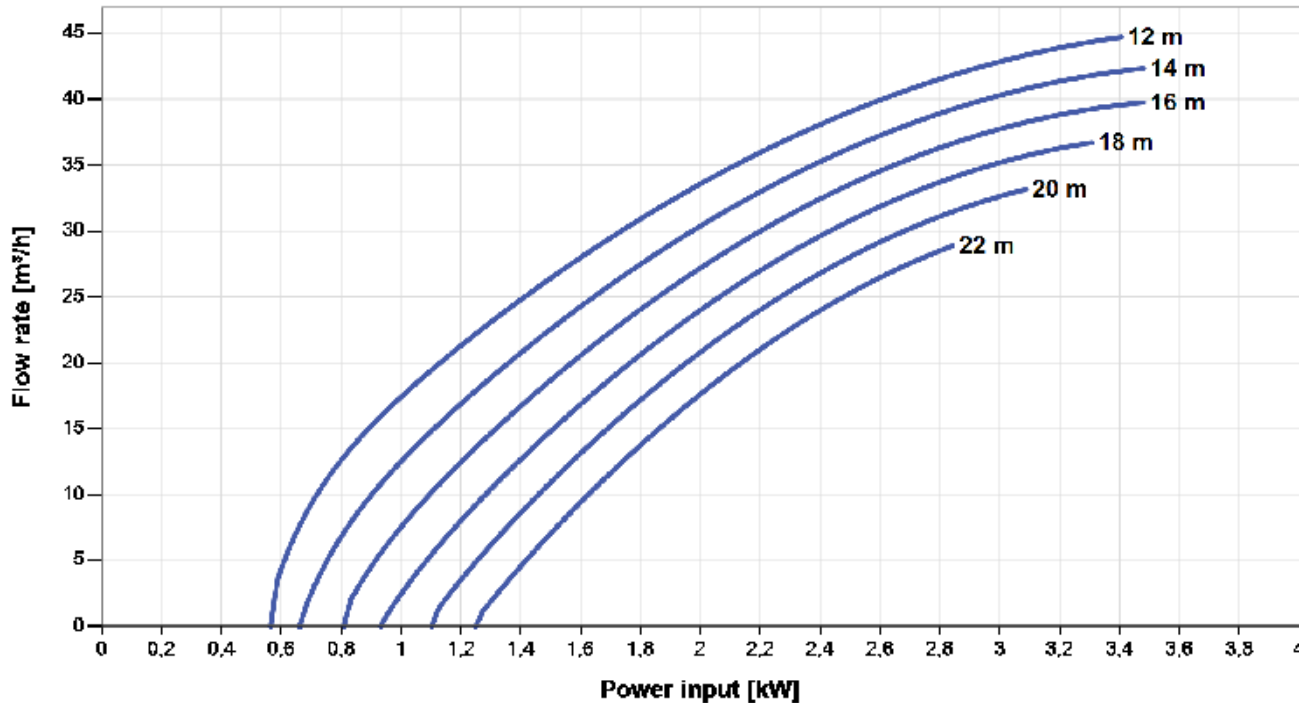
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ30-2

Solar submersible pump system for 6" wells

Pump chart

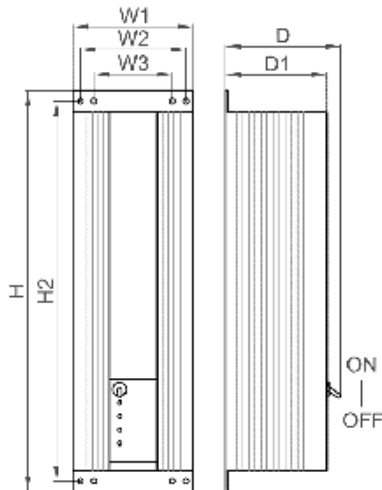
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

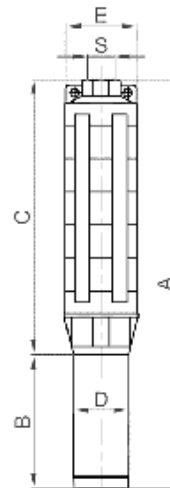
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 705 mm
 B = 245 mm
 C = 460 mm
 D = 96 mm
 E = 133 mm
 S = 3 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m³	9,9 kg
Pump unit	20 kg	850x160x150 mm	0,020 m³	20 kg
Motor	10 kg	160x140x400 mm	0,009 m³	10 kg
Pump end	9,5 kg	650x160x150 mm	0,016 m³	10 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 C-SJ42-1

Solar submersible pump system for 6" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1289
Total dynamic head	max. 12 m
Flow rate	max. 73 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE C-SJ42-1

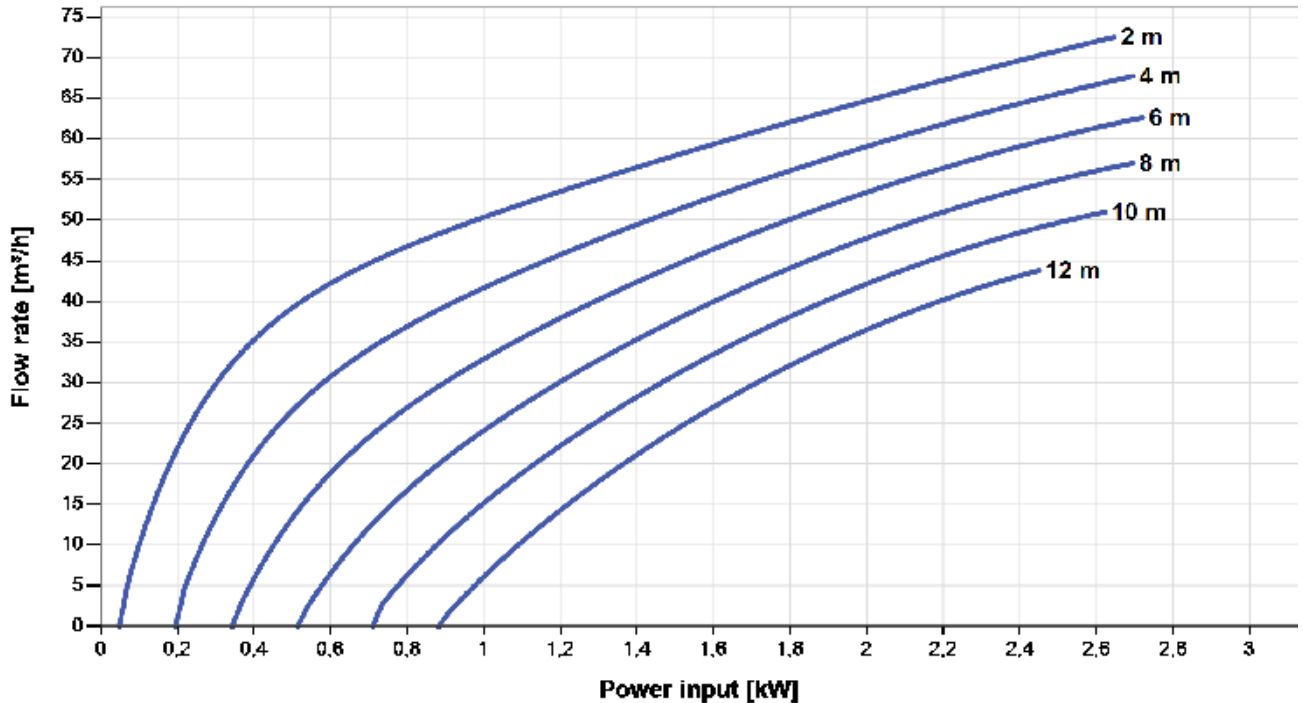
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ42-1

Solar submersible pump system for 6" wells

Pump chart

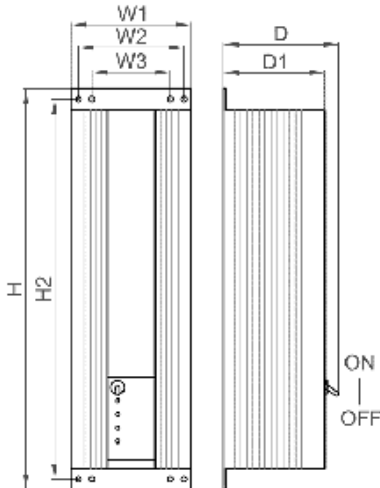
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

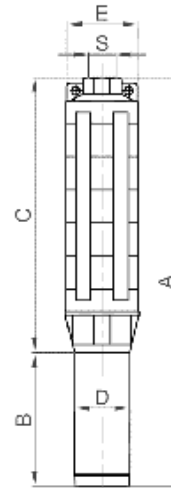
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 625 mm
 B = 245 mm
 C = 380 mm
 D = 96 mm
 E = 147 mm
 S = 3 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m ³	9,9 kg
Pump unit	18 kg	650x160x150 mm	0,016 m ³	19 kg
Motor	10 kg	160x140x400 mm	0,009 m ³	10 kg
Pump end	8,0 kg	1.480x160x180 mm	0,043 m ³	9,4 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 C-SJ42-2

Solar submersible pump system for 6" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1291
Total dynamic head	max. 16 m
Flow rate	max. 62 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE C-SJ42-2

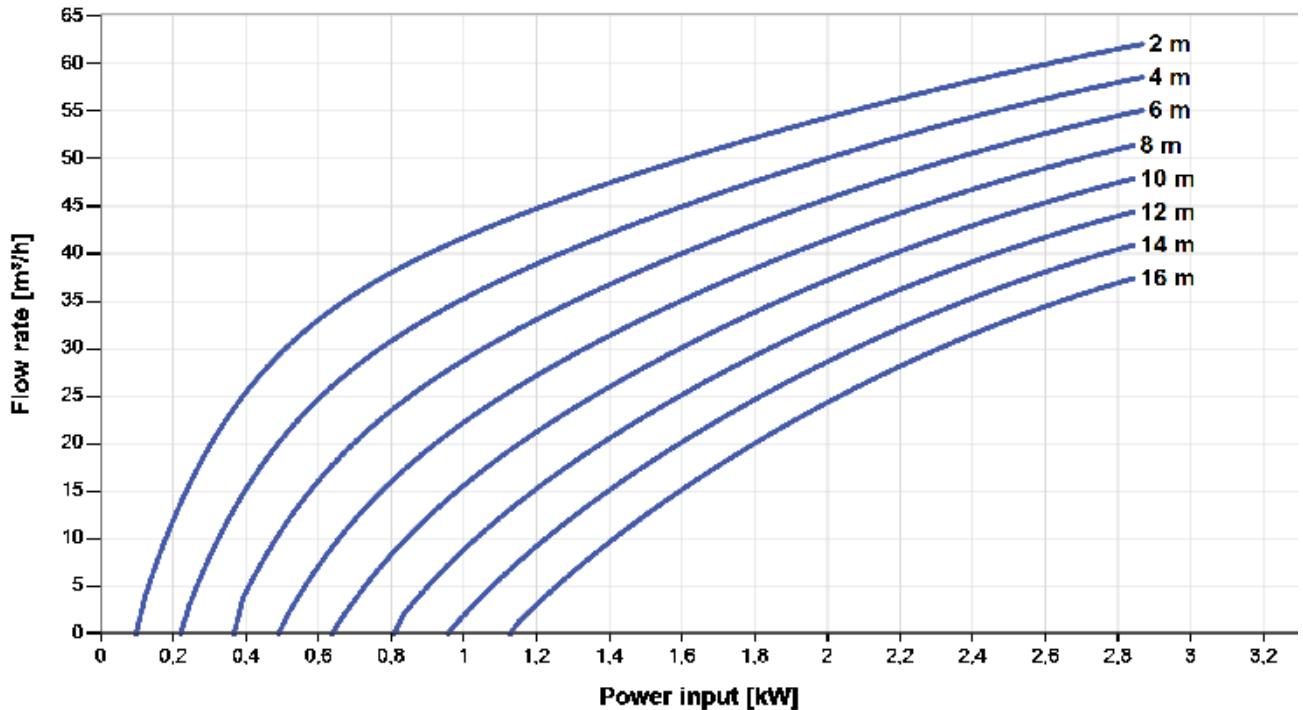
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ42-2

Solar submersible pump system for 6" wells

Pump chart

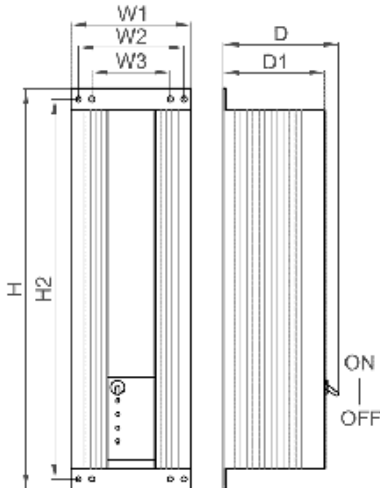
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

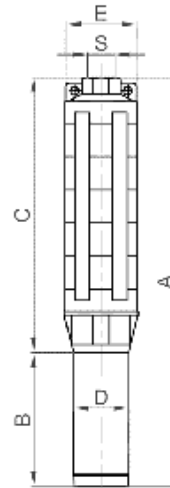
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 736 mm
 B = 245 mm
 C = 491 mm
 D = 96 mm
 E = 147 mm
 S = 3 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m ³	9,9 kg
Pump unit	20 kg	850x160x150 mm	0,020 m ³	21 kg
Motor	10 kg	160x140x400 mm	0,009 m ³	10 kg
Pump end	10 kg	1.480x160x180 mm	0,043 m ³	11 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 C-SJ60-1

Solar submersible pump system for 6" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1284
Total dynamic head	max. 10 m
Flow rate	max. 79 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE C-SJ60-1

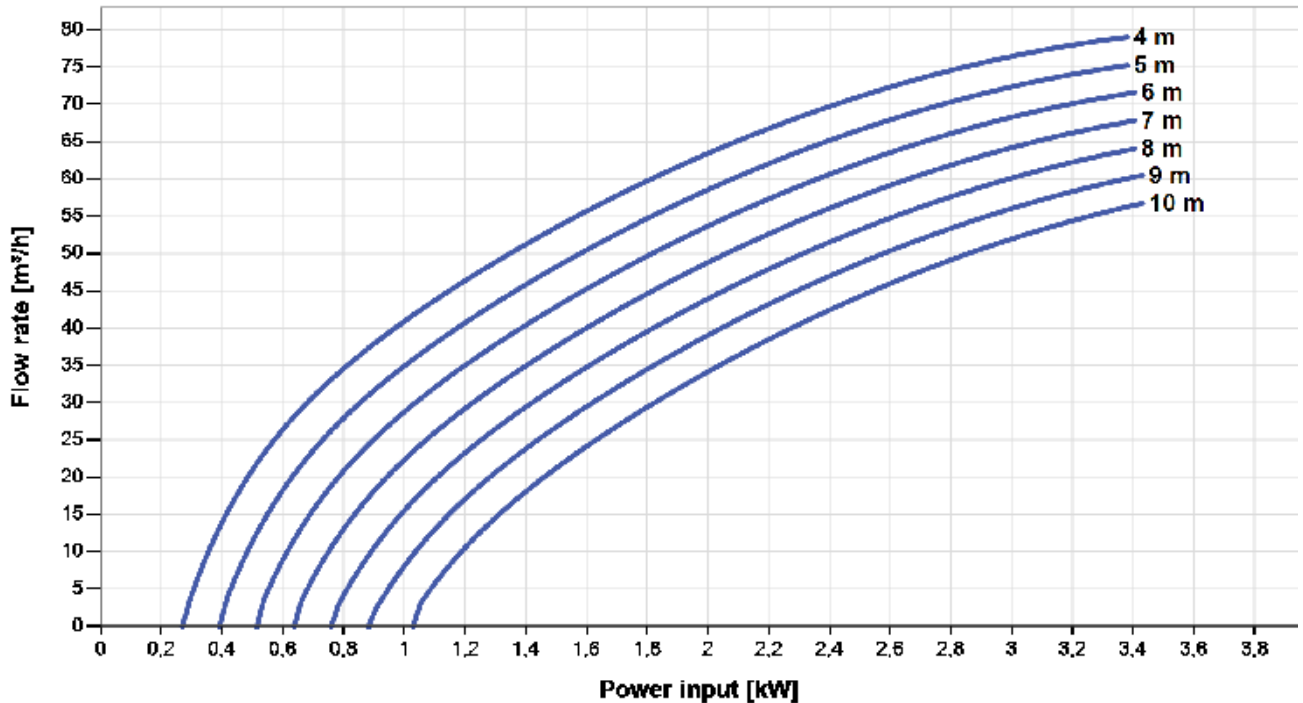
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ60-1

Solar submersible pump system for 6" wells

Pump chart

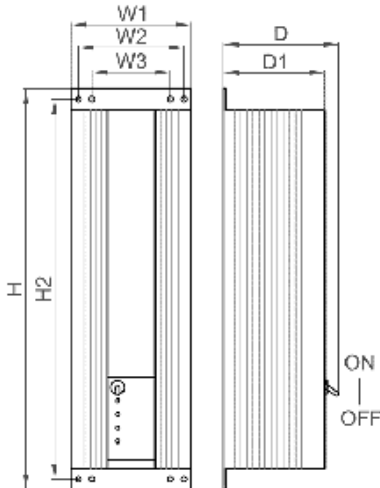
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

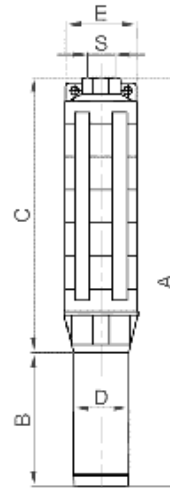
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 613 mm
 B = 245 mm
 C = 368 mm
 D = 96 mm
 E = 150 mm
 S = 4 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m ³	9,9 kg
Pump unit	17 kg	650x160x150 mm	0,016 m ³	18 kg
Motor	10 kg	160x140x400 mm	0,009 m ³	10 kg
Pump end	7,0 kg	390x180x210 mm	0,015 m ³	7,4 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 C-SJ60-2-

Solar submersible pump system for 6" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1285
Total dynamic head	max. 16 m
Flow rate	max. 61 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

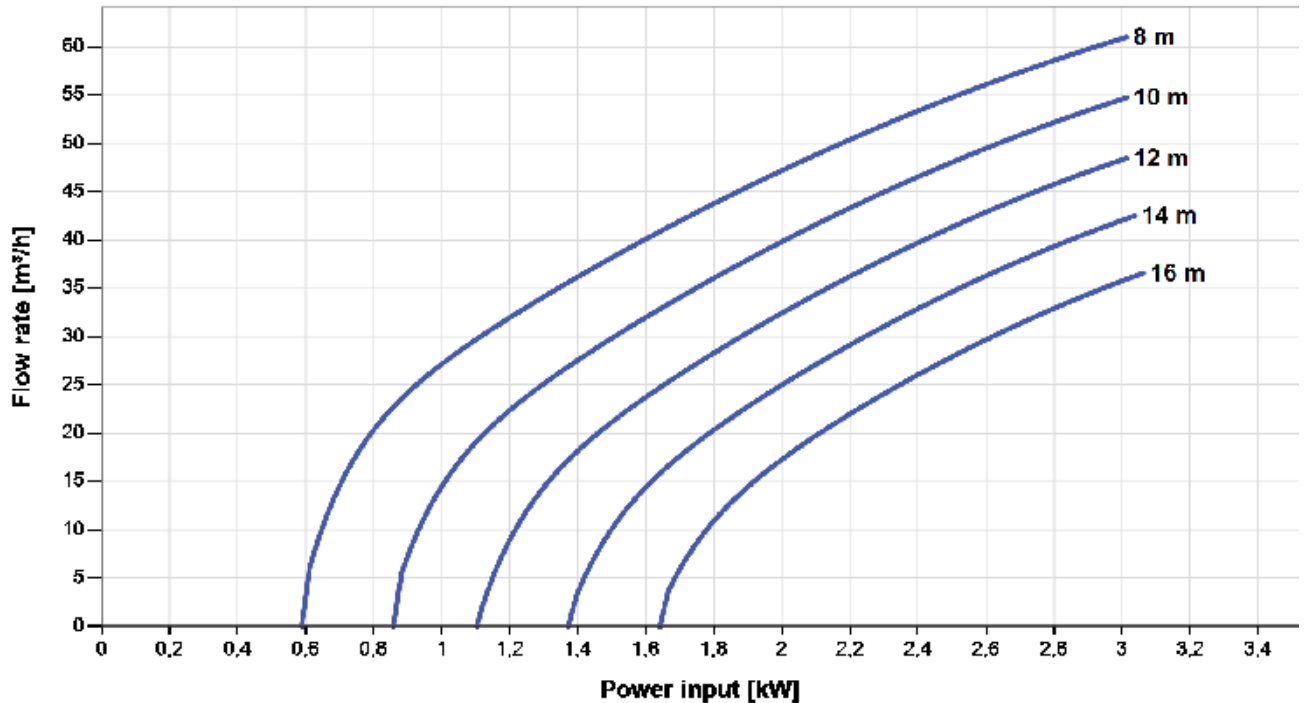
Pump end: PE C-SJ60-2-B

- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 C-SJ60-2- Solar submersible pump system for 6" wells

Pump chart

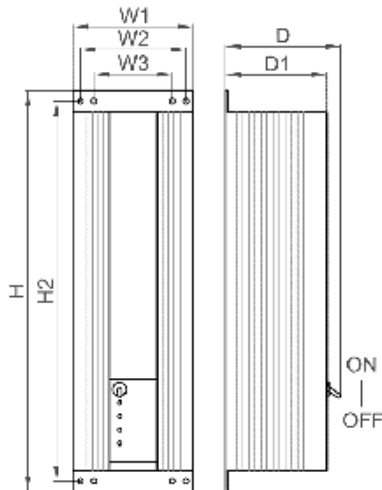
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

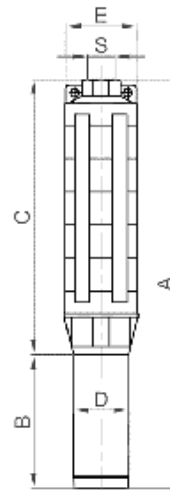
Controller

H = 595 mm
H2 = 563 mm
W1 = 178 mm
W2 = 156 mm
W3 = 116 mm
D = 165 mm
D1 = 150 mm



Pump unit

A = 726 mm
B = 245 mm
C = 481 mm
D = 96 mm
E = 150 mm
S = 4 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m ³	9,9 kg
Pump unit	19 kg	850x160x150 mm	0,020 m ³	20 kg
Motor	10 kg	160x140x400 mm	0,009 m ³	10 kg
Pump end	9,0 kg	510x240x300 mm	0,037 m ³	9,7 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

PS4000 HR-05HH

Solar submersible pump system for 4" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1290-X
Total dynamic head	max. 350 m
Flow rate	max. 0,93 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-HR

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE HR-05HH

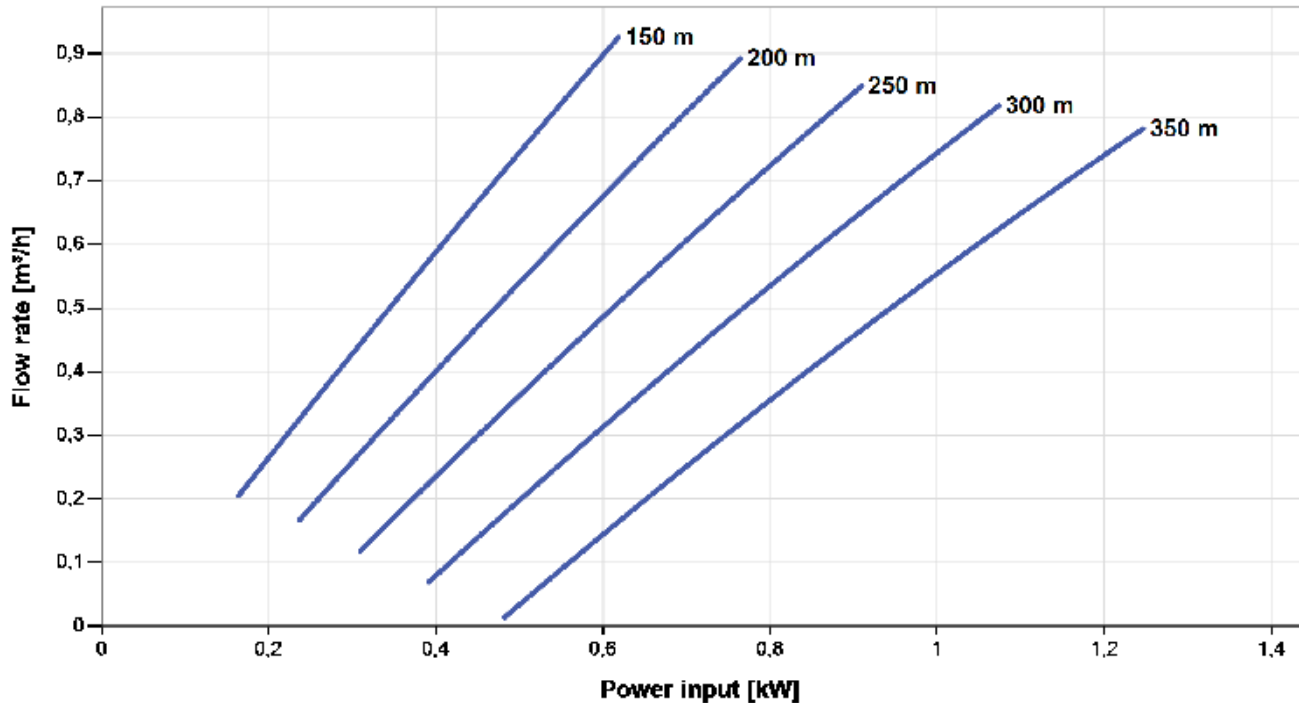
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 HR-05HH

Solar submersible pump system for 4" wells

Pump chart

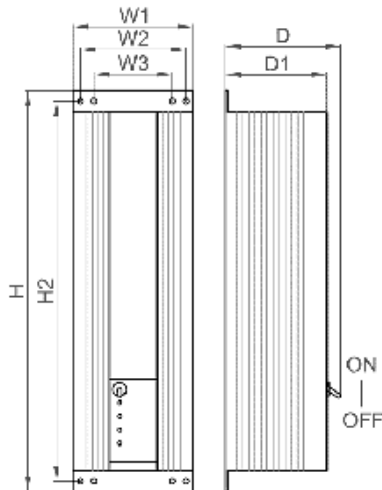
Max. power voltage (Vmp^{**}): > 238 V



Dimensions and weights

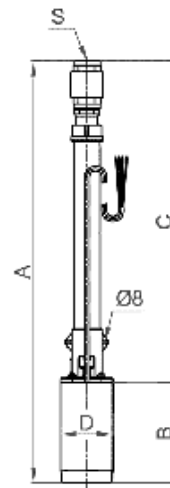
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 939 mm
 B = 245 mm
 C = 694 mm
 D = 96 mm
 S = 1,25 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m ³	9,9 kg
Pump unit	16 kg	1.030x160x150 mm	0,025 m ³	16 kg
Motor	10 kg	160x140x400 mm	0,009 m ³	10 kg
Pump end	5,5 kg	850x160x150 mm	0,020 m ³	6,1 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

***Specify water temperature range on order

PS4000 HR-14H

Solar submersible pump system for 4" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1299-X
Total dynamic head	max. 180 m
Flow rate	max. 2,5 m ³ /h
Vmp**	> 238 V
Voc	max. 375 V



Components

Controller: PS4000

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)

Motor: ECDRIVE 4000-HR

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

Pump end: PE HR-14H

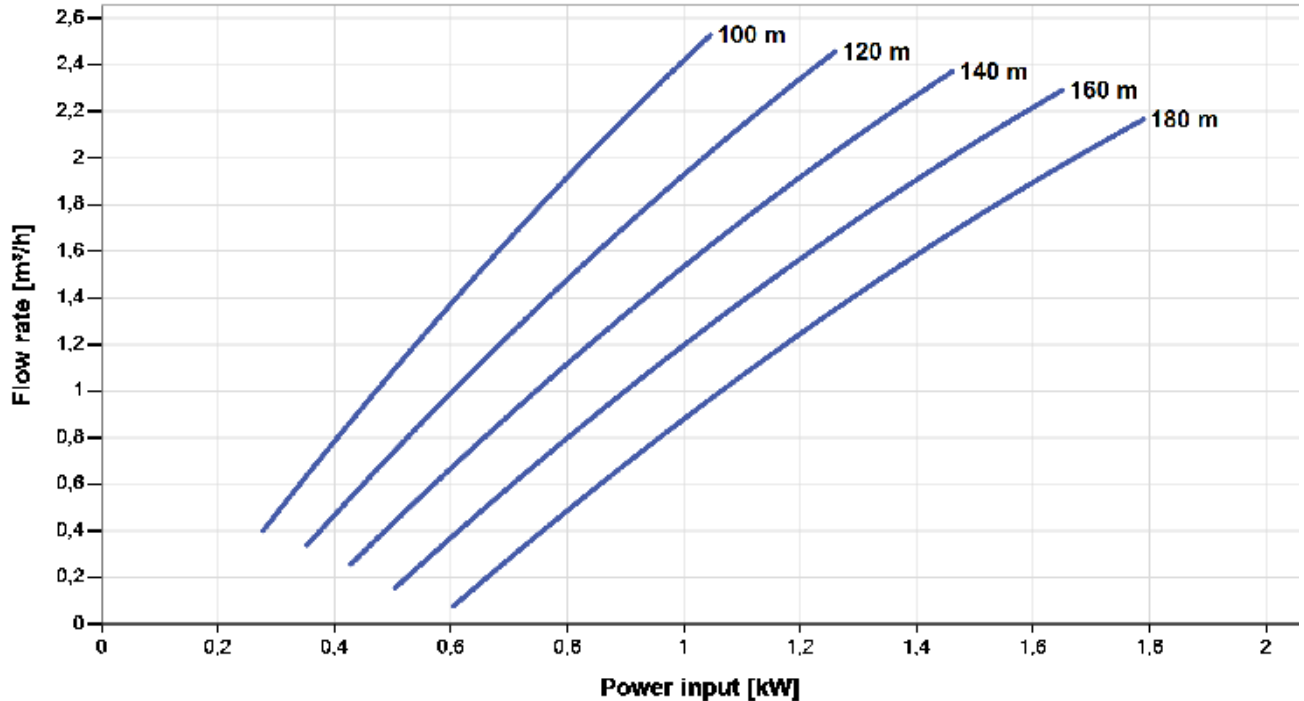
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

PS4000 HR-14H

Solar submersible pump system for 4" wells

Pump chart

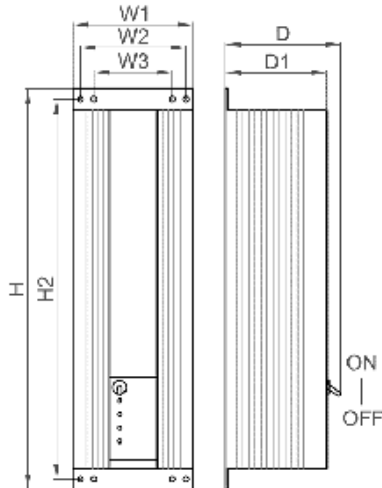
Max. power voltage (Vmp**): > 238 V



Dimensions and weights

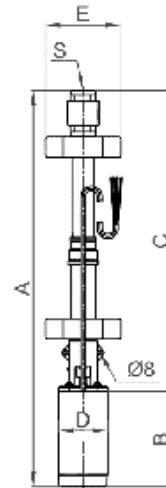
Controller

H = 595 mm
 H2 = 563 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit

A = 913 mm
 B = 245 mm
 C = 668 mm
 D = 96 mm
 E = 147 mm
 S = 1,25 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m³	9,9 kg
Pump unit	16 kg	970x160x150 mm	0,023 m³	16 kg
Motor	10 kg	160x140x400 mm	0,009 m³	10 kg
Pump end	5,5 kg	650x160x150 mm	0,016 m³	6,0 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C

***Specify water temperature range on order