SOLAR WATER &

BOREHOLE PUMP CHARTS FOR :

LORENTZ PS21K (PS21000)

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SOLAR MAN

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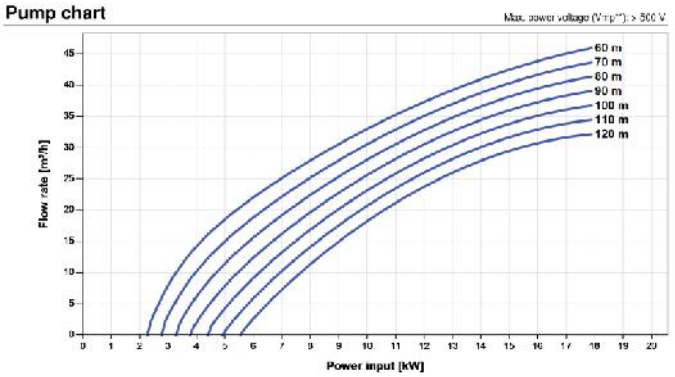
LORENTZ PS21L (PS21000)

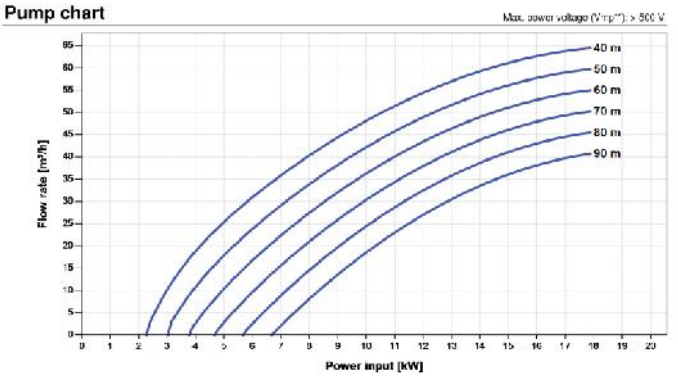
PS21k C-SJ30-16
Solar submersible pump system for 6" wells

Pump chart



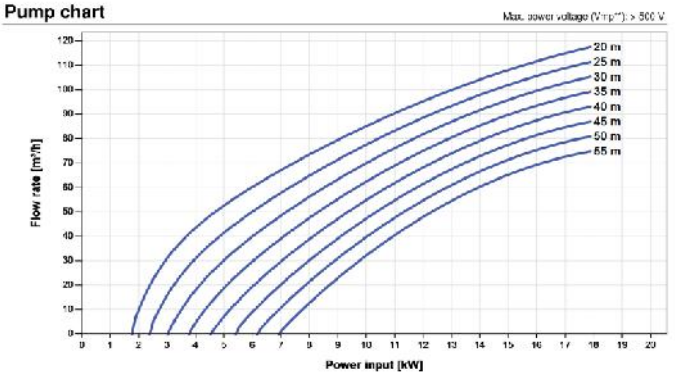
PS21k C-SJ42-10
Solar submersible pump system for 6" wells

Pump chart



PS21k C-SJ75-4
Solar submersible pump system for 8" wells

Pump chart



PS21k C-SJ30-16

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 #	1199
Total dynamic head	max. 120 m
Flow rate	max. 46 m³/h
Vmp**	> 500 V
Voc	max. 800 V

Components

Controller: PS21k

- 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)
- datalogger

Motor:

- highly efficient 3-phase AC motor
- no electronics in the motor
- submersion max. 300 m, IP68
- premium materials

Pump end: PE C-SJ30-16

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

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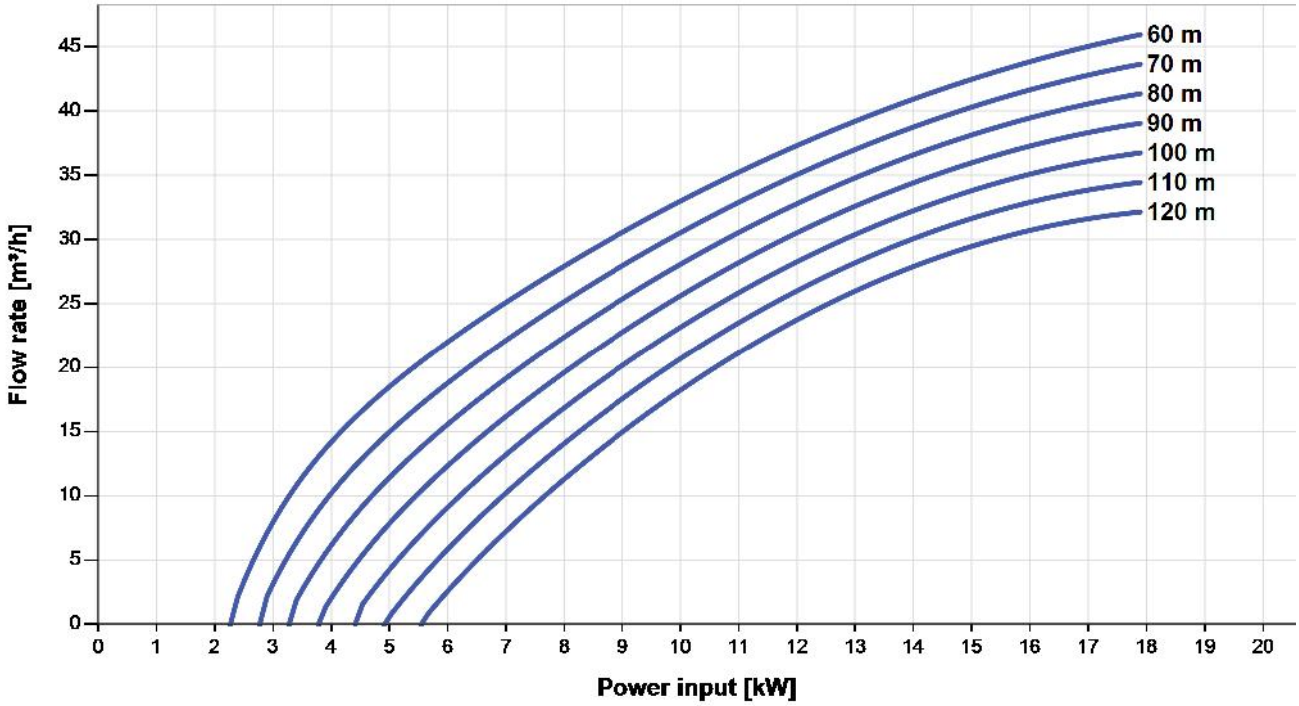
PS21k C-SJ30-16

Solar submersible pump system for 6" wells

Pump chart

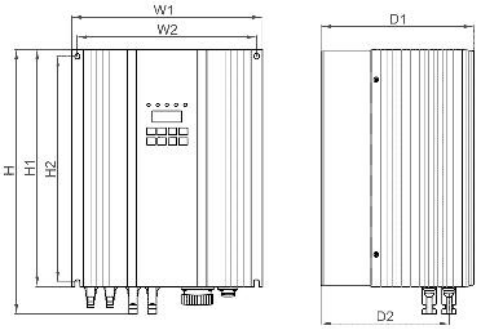
Max. power voltage (Vmp**): > 500 V



Dimensions and weights

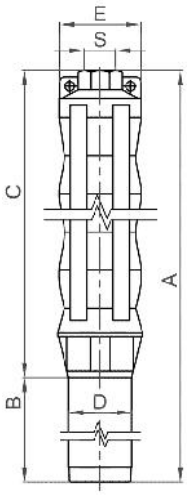
Controller

H = 350 mm
H1 = 310 mm
H2 = 295 mm
W = 250 mm
W1 = 235 mm
D = 200 mm
D1 = 200 mm
D2 = 167 mm



Pump unit

A = 2.597 mm
B = 777 mm
C = 1.820 mm
D = 138 mm
E = 133 mm
S = 3 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	420x330x300 mm	0,042 m³	11 kg
Pump unit	100 kg	-	-	-
Motor	65 kg	1.060x160x160 mm	0,027 m³	66 kg
Pump end	35 kg	2.000x250x240 mm	0,12 m³	37 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

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PS21k C-SJ42-10

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 #	1200
Total dynamic head	max. 90 m
Flow rate	max. 65 m³/h
Vmp**	> 500 V
Voc	max. 800 V

Components

Controller: PS21k

- 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)
- datalogger

Motor:

- highly efficient 3-phase AC motor
- no electronics in the motor
- submersion max. 300 m, IP68
- premium materials

Pump end: PE C-SJ42-10

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

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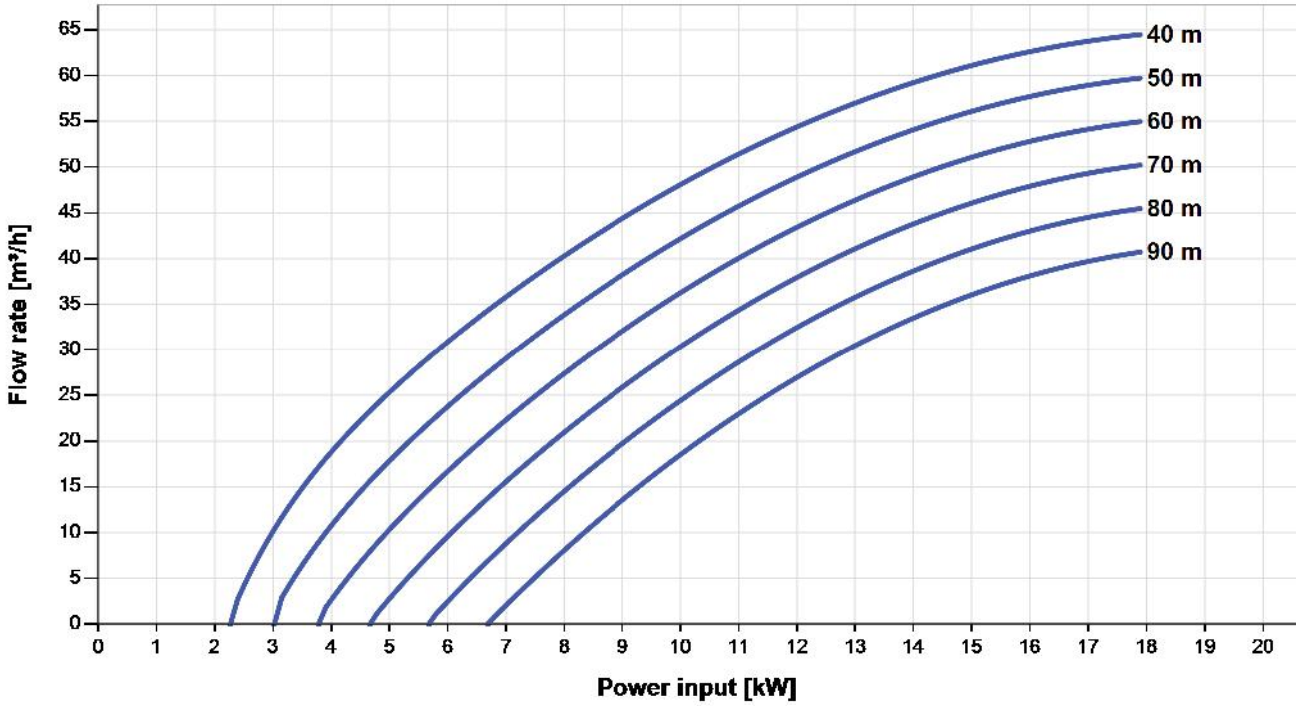
PS21k C-SJ42-10

Solar submersible pump system for 6" wells

Pump chart

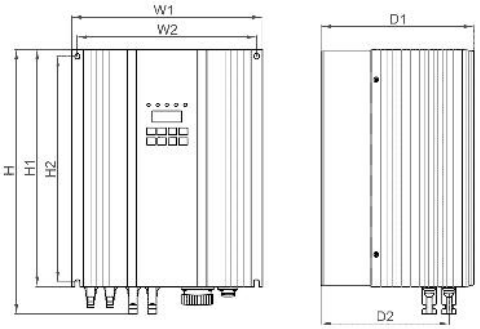
Max. power voltage (Vmp**): > 500 V



Dimensions and weights

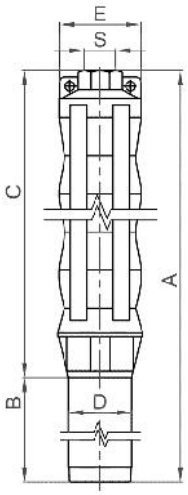
Controller

H = 350 mm
H1 = 310 mm
H2 = 295 mm
W = 250 mm
W1 = 235 mm
D = 200 mm
D1 = 200 mm
D2 = 167 mm



Pump unit

A = 1.157 mm
B = 777 mm
C = 380 mm
D = 138 mm
E = 147 mm
S = 3 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	420x330x300 mm	0,042 m³	11 kg
Pump unit	73 kg	-	-	-
Motor	65 kg	1.060x160x160 mm	0,027 m³	66 kg
Pump end	8,0 kg	1.480x160x180 mm	0,043 m³	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

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PS21k C-SJ75-4

Solar submersible pump system for 8" 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 #	1201
Total dynamic head	max. 55 m
Flow rate	max. 118 m³/h
Vmp**	> 500 V
Voc	max. 800 V

Components

Controller: PS21k

- 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)
- datalogger

Motor:

- highly efficient 3-phase AC motor
- no electronics in the motor
- submersion max. 300 m, IP68
- premium materials

Pump end: PE C-SJ75-4

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

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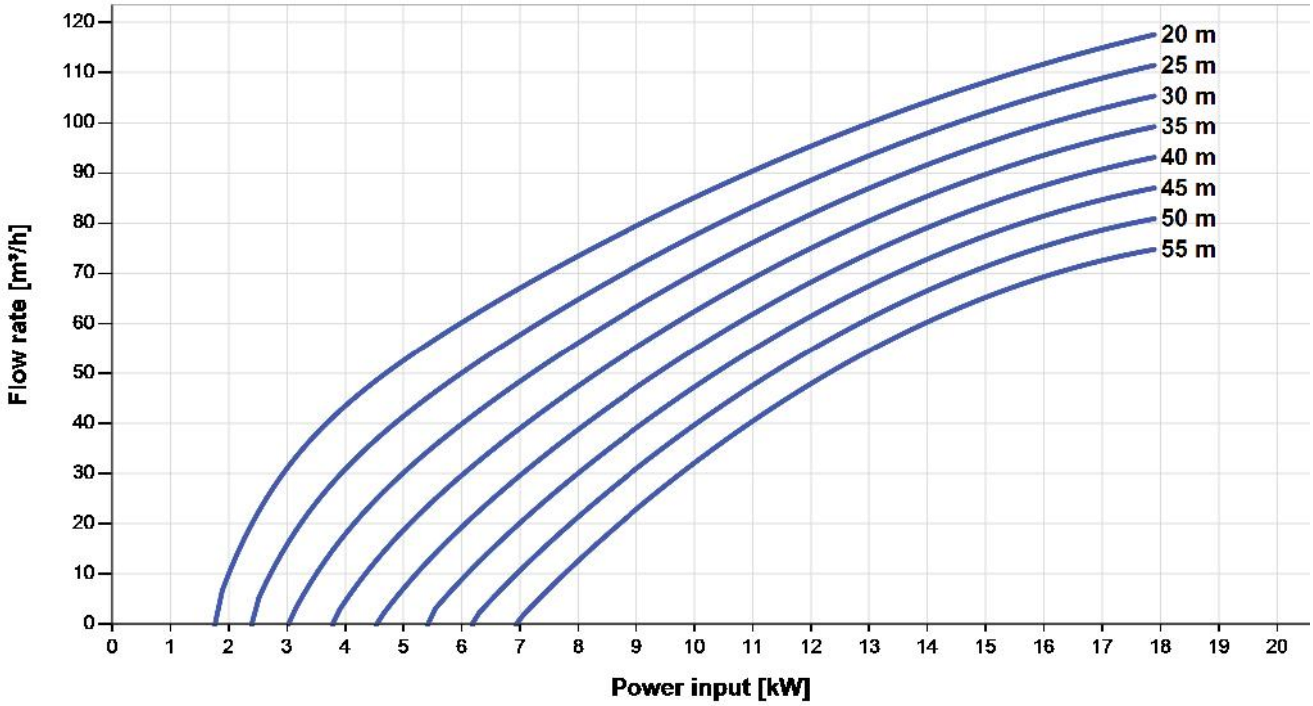
PS21k C-SJ75-4

Solar submersible pump system for 8" wells

Pump chart

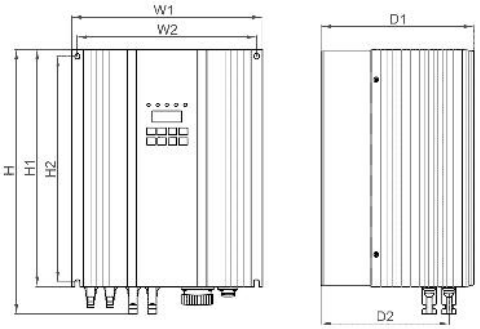
Max. power voltage (Vmp**): > 500 V



Dimensions and weights

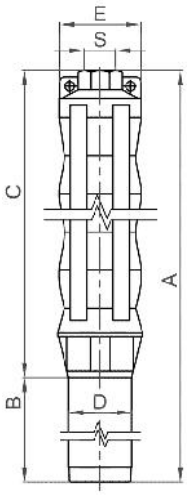
Controller

H = 350 mm
H1 = 310 mm
H2 = 295 mm
W = 250 mm
W1 = 235 mm
D = 200 mm
D1 = 200 mm
D2 = 167 mm



Pump unit

A = 1.640 mm
B = 777 mm
C = 863 mm
D = 138 mm
E = 197 mm
S = 5 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	420x330x300 mm	0,042 m³	11 kg
Pump unit	105 kg	-	-	-
Motor	65 kg	1.060x160x160 mm	0,027 m³	66 kg
Pump end	40 kg	1.000x250x240 mm	0,060 m³	42 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

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