

SOLAR PUMP KIT EMERGENCY

Complete kit «PLUG & PLAY»

Lift up 0 - 40 m

Flow up 0.6 - 2.0 m³/h

Transport and storage case

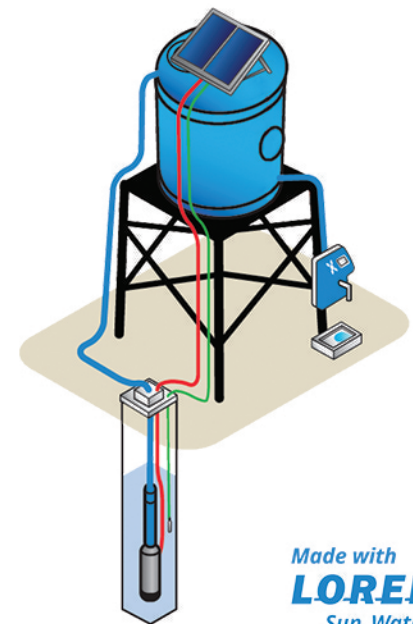
SUNNYPUMP conceived this solar pump kits range, ready to use.

Perfect for pumping need with lift up to 40m and flow up to 2m³/h. Installation and commissioning is very easy, all cables and accessories are included with quick connectors. All items are supplied in a reinforced case. Handling and transport can be done in all situations.

Pump is studied and manufactured with double exigency of robustness and efficiency. It can be used in a borehole (≥3,5 inch), a well, a cistern or any water source.

This kit as specially be conceived for GO, NGO or other organisations operating in remote area, without electricity. It offer a water access solution. Easily carried in hard conditions, installed without any skill. Easy to remove for location changes.

SUNNYPUMP is an **APB-ENERGY** brand, a major actor in water and energy access for remote area in developping countries.



Made with
LORENTZ
Sun. Water. Life.



- Two solar panels 100Wc
- Pre-wired outputs MC4
- Connected directly to the controller
- Lifetime >30ans



- 3,5 inch submersible pump
- Brushless DC motor
- Maintenance free
- High efficiency in poor sunlight
- Pre-wired (15m) with connector
- Optional extension



- Pump controller MPPT
- Quick connectors for motor cable, well probe, tank float
- Clamps directly behind the panels



- Well probe for «dry» protection
- Float tank
- Pre-wired with connector
- To connect directly to the controller



- Metal support for solar panels
- Adjustable 0—90°
- Floor or wall fixing



- Custom suitcase with foam housing
- Dimension : 1280 x 600 x 28cm
- Three carrying handles
- Reinforced corners – stackable

Specifications

Possibility of more powerful kits on request

| | | KSPC-100-07-x-200 | KSPC-100-14-x-200 |
|-------------------------------|---|---|---|
| OUTPUT | TDH (vertical height) | 0-40m | 0-27m |
| | Flow under full sun | 1,10 m ³ /h @ 5m 1,02 m ³ /h @10m 0,92 m ³ /h @20m 0,86 m ³ /h @30m 0,62 m ³ /h @40m | 2,00 m ³ /h @ 5m 1,80 m ³ /h @10m 1,60 m ³ /h @15m 1,22 m ³ /h @20m 0,97 m ³ /h @25m |
| PUMP | Nominal power | 150W | |
| | Motor speed | 700 ... 2500 rpm | |
| | Isolation class | F | |
| | Protection class | IP68 | |
| | Submersion | max. 50m | |
| | Conception | Helicoidal pump end inox 304 et PPS DC brushless motor, no maintenance water lubricated – no pollution inox 304 | |
| | Diameter | 88mm for borehole ≥3,5 pouces | |
| | Length & weight | 455 mm 5,4kg | |
| Cable output | Precabled – 15m with connector Extension 15m in option | | |
| Water output | 1 inch male | | |
| CONTROLLER | Functions | Controlling and monitoring MC4 input for PV module Well probe sensor input Float switch input Motor output To be tied on solar module | |
| | Power | max. 150W | |
| | Enclosure class | IP68 | |
| | Ambiant temperature | -40...50°C | |
| | Size | 122 x 113 x 29 mm | |
| PV MODULES | Power | 100 Wp (x2) | |
| | Type | Monocrystalline 36 cells | |
| | Electrical characteristics @STC | Vmp = 18,40 Vdc Imp = 5,43 A Voc = 22,95 Vdc Isc = 5,85 A | |
| | Output | Cables and connectors MC4 | |
| | Size & weight | 120 x 54 x 3 cm (x2) 7,8kg (x2) | |
| | Support | 2x adjustable support 0-90° For floor or wall | |
| CASE | Type | Flightcase with foam housing | |
| | Conception | Reinforced corners – stackable One carrying handle on top Two carrying handles on sides | |
| Size & weight | 1280 x 600 x 280 mm 54kg (including all items) | | |
| NORMS & WARRANTIES | Pump & controller | 2006/42/EC, 2004/108/EC, 2006/95/EC IEC/EN 61702 :1995 Warranty 2 years | |
| | PV modules | IEC61215, IEC61730 & Factory inspection 2016 IEC668-2-68 :1994-08 Dust & Sand resistance IEC61701 :2011 Salt spray Corrosion resistance PID Test : Class A Fire resistance : Class 1 IEC62716 :2013 Ammonia Corrosion Warranty 12 ans | |

All specifications are given with good intention, possible errors and products subject to change without notice. Images may differ from current versions.

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