

SOLON SOLkit stand-alone.

*Everything you need in one single
solution to install a mains- independent
photovoltaic system.*

- › SOLON high-efficiency mono- and poly-crystalline modules
- › Three different types of KIT: Island, Backup, Water Pump
- › Kit components are pre-sized and ready to install
- › Special sealed batteries for PV storage



The custom-made PV system

In one single solution the SOLON SOLkit stand-alone contains all the elements necessary to construct a mains-independent photovoltaic system: photovoltaic modules, pre-sized components, batteries and guarantees.

3 different types of kits are available: Island in 5 versions, Backup in 4 versions, Water Pump in 9 versions.

The modular design of the kit enables you to configure and build ad hoc photovoltaic installations to meet specific energy needs.

SOLON's direct experience in manufacturing high-efficiency photovoltaic modules and systems and the company's exclusive partnership with leading suppliers in the market makes SOLON SOLkit stand-alone a complete solution featuring top quality elements.

SOLON SOLkit stand-alone, your off-grid PV system in 4 simple steps:

- **Buy:** procuring a **SOLkit stand-alone** kit is not just simple but above all affordable. The kit is a palletised system comprising all the elements necessary for your PV installation.
- **Install:** for consultation and quality installation contact our highly experienced network of **SOLON PARTNER** installers who, working in synergy with SOLON, are qualified to guide you step by step to determine the perfect solution for your particular roof.
- **Produce:** once installed your PV system will begin to generate energy to meet your specific energy needs.
- **Save:** savings will be noticeable immediately. Using energy produced by **SOLON SOLkit stand-alone** enables you to have complete independence from the electrical grid to power household appliances and devices.

A SOLON SOLkit stand-alone photovoltaic kit guarantees free solar energy all year round.

SOLON SOLkit stand-alone: Island, Backup, Water Pump. Complete solutions to meet all energy needs.

Capturing solar energy has never been so easy.

Whatever your energy needs may be, you will find the most suitable solution with one of the SOLON stand-alone kits. Off-grid systems, backup systems or water pumping systems: the SOLON PV modules and all the elements that comprise the kits guarantee the best performance and the highest efficiency in all situations.

SOLON technicians have used their vast experience to find the best materials available on the market and have pre-configured these stand-alone kits that will enable you to transform solar energy into clean energy for your particular energy needs. These are the three types of kits available:

Island Kit



- › Electrification of areas without electrical power grid
- › Replaces or can be used in combination with diesel generators to reduce management costs
- › Broad range of application: meets residential to small workshop needs

Backup Kit



- › Provides power supply in very unstable electrical grid situations
- › Fast switchover time ensures operational continuity
- › Over 2 hours autonomy, with expandable battery time

Water Pump Kit



- › Pumping of drinking water for domestic use, for breeding farms or for irrigation systems
- › Extraction of water from wells with head range of 40m to 140m
- › Capacity from 3m³ to 30m³ per day

SOLON 220/16

SOLON Black 220/16 and SOLON Blue 220/16

Mechanical specifications

Dimensions (H x W x D)	1,640 x 1,000 x 34 mm
Weight	18.2 kg
Junction box	1 junction box with 3 bypass diodes (IP65)
Cable	Solar cable, length 1,000 mm, 4 mm ² , prefabricated with MC4-combinable plug (IP67)
Application class	Application class A (according to IEC 61730)
Front glass	Transparent toughened safety glass, 3.2 mm
Solar cells	60 cells, monocrystalline or polycrystalline Si 6.2" (156 x 156mm)
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Back side	Composite film
Frame	Anodized aluminum frame with twin-wall profile and drainage holes

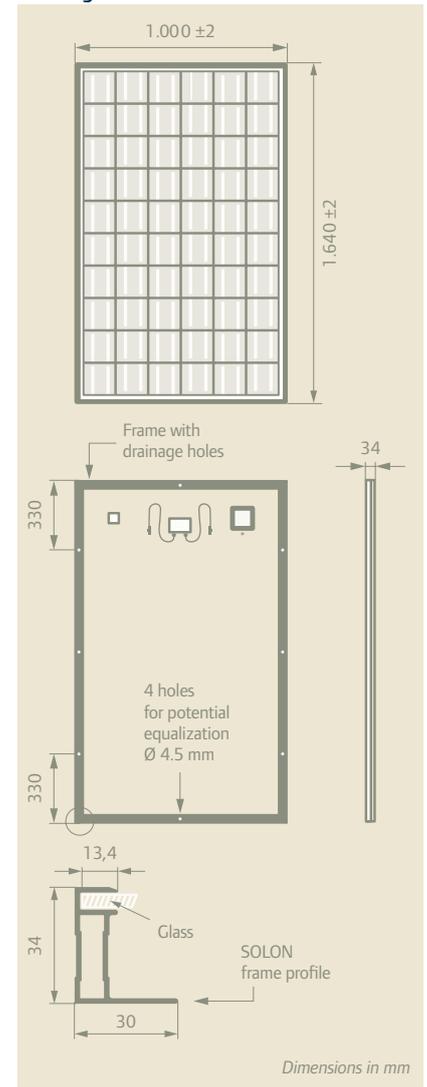
Permissible operating conditions

Temperature range	-40°C to +85°C
Maximum surface load capacity	Tested up to 5,400 Pa according to IEC 61215 (advanced test)
Resistance against hail	Maximum diameter of 25mm with impact speed of 83km/h

Guarantees and certifications

Product guarantee	10 years ¹⁾
Performance guarantee	Guaranteed output of 95% for 5 years, 90 % for 10 years, 87% for 15, 83% for 20 years and 80% for 25 years ¹⁾
Approvals and certificates	IEC 61215 Edition II, IEC 61730 (incl. Safety Class II), IEC 62716 (Ammonia resistance), IEC 68-2-52 (Salt mist resistance), MCS

Drawing



This datasheet complies with the requirements of EN 50380:2003. Subject to modifications. Electrical data without guarantee. SOLON is certified according to ISO 9001, ISO 14001 and OHSAS 18001.

¹⁾ According to SOLON Product and Performance Guarantee.

CEC Approved



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