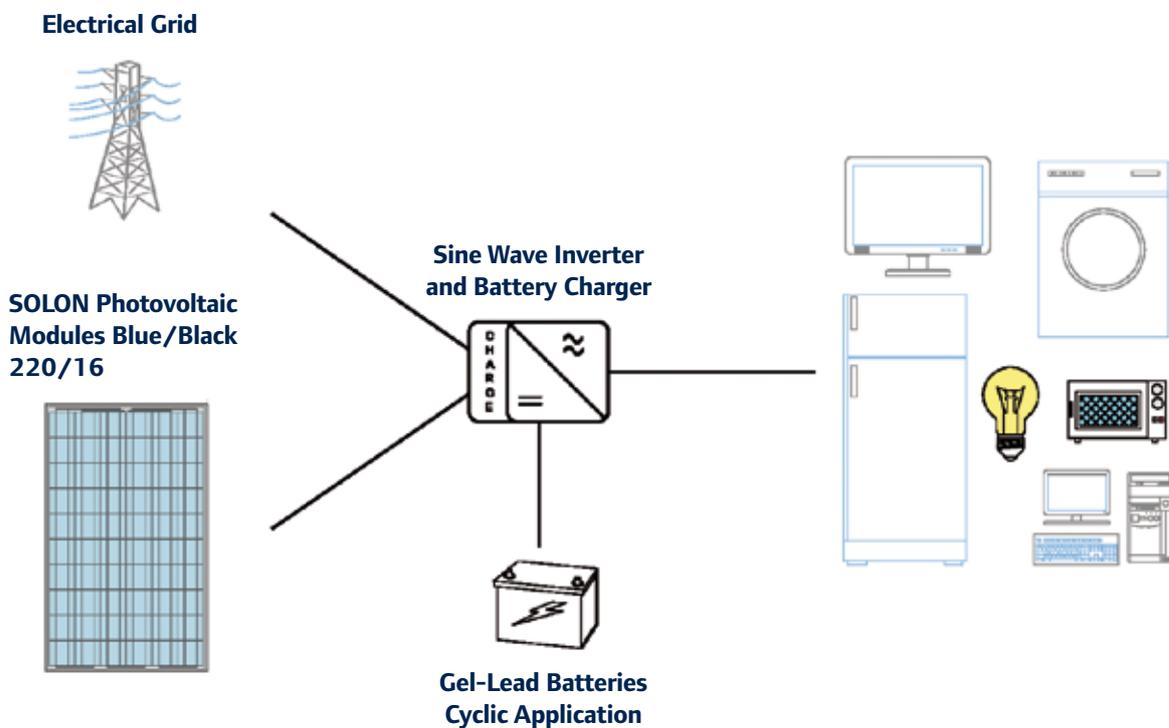




SOLON SOLkit stand-alone: Backup Kit



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

SOLON SOLkit stand-alone Backup version: Easy-to-install, high performing, pre-sized kit. It is available in 4 different power sizes in order to meet all possible energy requirements.

The standard Kit can be expanded with additional photovoltaic modules and storage units.

The Kit can power sensitive loads such as servers or PCs and can consequently replace a UPS system.

Composition of the Backup Kit

	KIT BU 1000	KIT BU 2000	KIT BU 4000	KIT BU 5000
Inverter Continuous Power [W]	800	1600	3200	4000
Rated power [VA]	1000	2000	4000	5000
Total Photovoltaic Power Output [Wp]*	500	1000	1500	2000
Energy storage capacity [kWh]**	1,2	2,4	4,8	4,8
Use examples	Domestic	Large domestic	Small commercial premises and workshops	Large commercial premises and workshops
Hours of autonomy at half the continuous load	2h	2h	2h	1h and 30 min

* calculated with 250Wp modules

**energy stored in batteries in C100 (100 hours constant discharge cycle)

Photovoltaic modules

	KIT BU 1000	KITBU 2000	KIT BU 4000	KIT BU 5000
PV module type	Solon Blue/Black 220/16	Solon Blue/Black 220/16	Solon Blue/Black 220/16	Solon Blue/Black 220/16
Module power	240-245-250	240-245-250	240-245-250	240-245-250
Number of modules	2	4	6	9

Inverter

	KIT BU 1000	KIT BU 2000	KIT BU 4000	KIT BU 5000
Inverter Type	Pure Sine Wave with Charge and Solar Charge	Pure Sine Wave with Charge and Solar Charge	Pure Sine Wave with Charge and Solar Charge	Pure Sine Wave with Charge and Solar Charge
Rated power [VA]	1000	2000	4000	5000
Continuous power [W]	800	1600	3200	4000
Overload capacity (10s) [VA]	1600	3200	6400	8000
Rated input voltage [Vdc]	12	24	48	48
Rated output voltage and frequency [Vac/Hz]*	230/50	230/50	230/50	230/50
Charge Regulator Type	Integrated PWM controller	Integrated PWM controller	Integrated PWM controller	Integrated PWM controller
Maximum current [A]	50	50	50	50
Maximum voltage [V]	125	125	125	125
Module configuration for each charge regulator	2 modules in parallel	2 systems in parallel of 2 modules in series	2 systems in parallel of 3 modules in series	3 systems in parallel of 3 modules in series
Dimensions bxxhxd [mm]	250x330x95	272x367x100	300x455x110	300x455x110
Weight [kg]	4	4,5	7,5	8,5
Mechanical impact protection	IP 20	IP 20	IP 20	IP 20

* on request in 110/60 Vac/Hz version

Batteries

	KIT BU 1000	KIT BU 2000	KIT BU 4000	KIT BU 5000
Battery type	Gel - lead cyclic application	Gel - lead cyclic application	Gel - lead cyclic application	Gel - lead cyclic application
Rated voltage [Vdc]	12	12	12	12
Capacity C100 [Ah]	100	100	100	100
N° of batteries	1	2	4	4
Storage configuration	1 parallel	1 system in parallel of 2 batteries in series	1 system in parallel of 4 batteries in series	1 system in parallel of 4 batteries in series
Dimensions bxxhxd [mm]	513x223x223	513x223x223	513x223x223	513x223x223
Weight [kg]	36.5	36.5	36.5	36.5