



Abba presents the new stand-alone system SAS Stand Alone Abba Solar, developed to provide a stable power supply even if the grid connection is not available, anytime and anywhere.

SAS system is designed to operate independent of the electric grid, it's rugged and reliable, easy to install and maintenance-free.

The SAS system kit, once assembled by the installer is ready to be used, with immediate energy production.

The system's power output is 240Wp, with a battery pack capacity of 200Ah and 12V, giving a total of 600W at 230V.

The SAS kit includes:

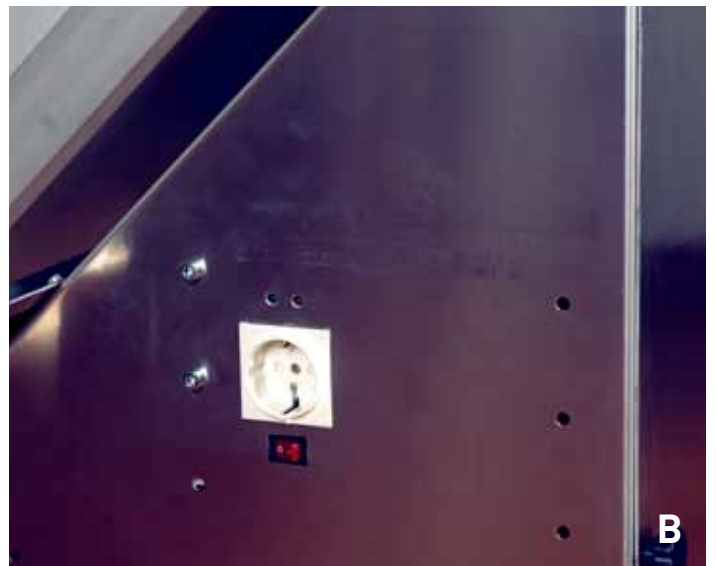
no. 1 PV module ASP60-240

no. 1 Gel battery 12V-200Ah

no. 1 Pure sine wave inverter 650W-230Vac

no. 1 Charge controller MPPT 12/24V 20A 60Vcc

no. 1 Fuse box with 15A fuse



A - Led operation panel

B - Plug for socket connection

C - Socket for device connection

Table of reference for average device energy consumption

user	amount	hours of job h	power W	every day consumption Wh/gg
Low Consumption Bulb	4	5	11	220
Shovel Fan	1	6	45	270
Low Consumption Refrigerator	1	6	50	300
LCD TV	1	3	45	135
total absorption				

Facts and figures:

SAS minimum charging 800Wh/day. Battery can provide max 1.500 Wh/day: if under direct sunlight devices can operate up to the above mentioned working hours.

With no solar light the above mentioned devices can be used for the average working hours only up to 2 days.

To improve the capacity, the system may be used in conjunction with other stand-alone kits.



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