



Renewable Energy Solutions

www.powersolar.com.tr

BRAHZAR 600SE SOLAR GENERATOR



TEL: +90 216 481 66 99

E-mail: info@powersolar.com.tr

Website: www.powersolar.com.tr

BRAHZAR 600SE SOLAR GENERATOR

12-VOLT DC SPECIFICATIONS

SPECIFICATIONS

- ◆ **Battery:** 100 Ah AGM/Gel hybrid Solar controller: 20A
- ◆ **Dimensions W x L x H (cm):** 53.0 x 53.0 x 37.0 **Weight (lbs):** 122.0

CHARGING TIMES

- ◆ **Initial AC charge:** up to 24 hours
- ◆ **Solar panel charging time:** 16 hours peak sunlight

INVERTER SPECIFICATIONS

AC output voltage (nominal)	115V AC, 60Hz ± 4Hz (220V also available upon request)
AC output power capacity (continuous)	1,500W (3,600 peak)
AC output waveform	Modified sine wave
Operating/ storage temperature	32 °F–104 °F (0 °C–40 °C)
Maximum Inverter Efficiency	90%
No load current	< 0.5A
Low battery alarm (nominal)	10.5V ± 0.5V
Low battery shutdown (nominal)	9.5 ± 0.5V

Internal battery type	Sealed AGM/Gel Hybrid
Internal battery voltage (nominal)	12V DC
Internal battery capacity	100 Ah
Maximum load current through 12-volt DC power socket (continuous)	15A
DC Power Socket circuit breaker rating (internal, automatic reset)	15A
USB max output current	2.1A

12-VOLT DC SPECIFICATIONS

Internal battery type	Sealed AGM/Gel Hybrid
Internal battery voltage (nominal)	12V DC
Internal battery capacity	100 Ah
Maximum load current through 12-volt DC power socket (continuous)	15A
DC Power Socket circuit breaker rating (internal, automatic reset)	15A
USB max output current	2.1A

CHARGING SYSTEM SPECIFICATIONS

Solar panel max output	5 panels x 16W (80W built-in)
Solar panel type	Monocrystalline
Solar panel efficiency	17%
Solar charge controller max input	20A
AC charger rated current	100V–240V AC, 50/60Hz, 12V DC 5A
Max solar panel array power	Expandable up to 300W

SAMPLE AC APPLIANCE TIMES

AC Powered Products	Watts	Est. Operating time
Radio	4	250 hours
Compact Florescent light	20	50 hours
Laptop Computer	65	13 hours
Ceiling Fan	100	9 hours 30 minutes
Desktop computer with 15" monitor	200	4 hours 18 minutes
Sony® Playstation® 3 Video Game Console	200	4 hours 18 minutes
40" LCD TV	200	4 hours 18 minutes
1/2" Drill *	750	45 minutes
Microwave Oven *	1000	30 minutes
Coffee Maker	1500 (max output)	10 minutes

* Assumes continuous operation

SAMPLE DC APPLIANCE TIMES

DC Powered Products	Watts	Estimated Operating time
Smartphone *	6	160 hours
Tablet Computer	12	80 hours
Portable Cooler	30	30 hours
Air Compressor	100	9 hours, 30 minutes

* Assumes continuous operation (send or receive)

