

PORTABLE SOLAR PANELS

SOLAR ENERGY GENERATOR

The Forty2 (Personal Renewable Energy for ALL)

From business travellers to adventurers, from tailgaters to humanitarian aid workers, from campsites in the US or Europe to homes in sub-Saharan Africa, when it comes to energy we all are at the mercy of the grid.

No longer..... **As we are making power personal for everyone, anywhere!**

The power that once tied us to a grid can now be carried by one person, whenever we need it to be.

Unlike most other solar products on the market, the Forty2 is not a complicated kit or a trickle-down battery charger.

The Forty2 provides solar power generation, Lithium Ion storage, power inversion and efficiency monitoring in a single, simple unit.

The Forty2 revolutionizes how hundreds of millions of people can access power by combining solar tech, advanced electronics, and easy-to-use design.

The Forty2 brings lighting, refrigeration, and charging to areas off the grid. Its size (87cm x 77cm x 13cm) and weight (around 27 to 32kg) make it a portable generator with no moving parts or noise.



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GCE
CONSULTANTS
Global Security Specialists

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TECHNICAL DATA SHEET

	Forty2 (250 W)		Forty2 (500 W)		Forty2 (1000 W)	
Battery (Wh)	Lithium Ion		Lithium Ion		Lithium Ion	
Battery Charging time (hours)	1.5		3		6	
Runtime						
	NO SUN	WITH SUN	NO SUN	WITH SUN	NO SUN	WITH SUN
50 Watt lights (hours)	5	Indefinitely	10	Indefinitely	20	Indefinitely
Smartphone (hours)	7	Indefinitely	14	Indefinitely	30	Indefinitely
Laptop (hours)	8	Indefinitely	17	Indefinitely	33	Indefinitely
Large screen TV (hours)	3.5	13	6.5	16.5	13	Indefinitely
Fridge Continuous (hours)	3	13	7.5	Indefinitely	15	Indefinitely
Logical Groupings						
TV + Fridge (hours)	1.5	11	3	13	6	Indefinitely
TV + Lights or Fridge + Lights (hours)	2	12	4	14	8	Indefinitely
Fridge + Lights + TV + charge phone + laptop (hours)	1	3	2	8	4	11

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Storage Capacity / Models	250 / 500 / 1000 Wh (1500Wh and 2000 Wh available from October 2013 onwards)
Continuous Power Output	900W (AC/DC power converter)
Peak Load	1800W
Inverter Type	Modified Sine Wave (Pure Sine Wave from October 2013 onwards)
Solar Power	180 Watts (total watts of (solar) power available during daytime: 900W to 2700W)
Solar Cells	Monocrystalline 20S2P
Electrical Output(s)	Universal AC socket/output (220V, 60Hz) and USB port
Temperature Range (battery charging)	0°C to 45°C
Warranty	Forty2 unit – 12 months (from date of original retail purchase)
	Forty2 Solar Panels – 60 months (from date of original retail purchase)
Safety / Protection	Overload and Short Protection Thermal Protection
	High and Low Voltage Protection Low Voltage Audible Alarm
CE Mark Approved	CE Mark since 2012
	Test Standard: EN62109-1 (Safety of Power Converters Used in PV Power Systems) EN61730-1 (PV Module Safety Requirements for construction) EN61730-2 (Requirements for Testing) EN50178 (Noise Requirements for power installations)
	Compliant with Low Voltage Directive 73/23/EEC and EMC Directive
SABS Approved	Pending