

Solgen Specification

Model	Mobile		Static			
	52	67	63	78	93	123
Size	52kVA	67kVA	63kVA	78kVA	93kVA	123kVA
Prime Rating	52kVA	67kVA	63kVA	78kVA	93kVA	123kVA
Generator size	22kVA (16kW)		33kVA (26kW)			
Fuel consumption						
Fuel tank capacity	200 litres		1000 litres			
Solar panels	4760W		5940W			
Typical solar gain ⁽¹⁾	25kWh		30kWh			
Battery Type	Lithium - LiFE PO4		Lithium - LiFE PO4			
Battery pack	8 x 5.12kWh = 41kWh		8 x 5.12kWh = 41kWh minimum		12 x 5.12kWh = 61kWh minimum	
			20 x 5.12kWh = 102kWh maximum			
Inverters	3 x 10kVA	3 x 15kVA	3 x 10kVA	3 x 15kVA	6 x 10kVA	6 x 15kVA
Output power sockets ⁽²⁾	6 x 32A as standard		6 x 32A as standard			
Silent power maximum	24kW	36kW	24kW	36kW	48kW	72kW
Peak Power (inc generator boost)	40kW	52kW	50kW	62kW	74kW	98kW
Time at Peak Power ⁽³⁾	1:22 hrs	0:55 hrs	1:22 hrs - 3:24 hrs	0:55 hrs - 2:16 hrs	1:01 hrs - 1:42 hrs	0:41 hrs - 1:08 hrs
Charge Time (20% to 80%)	1:07 hrs	1:07 hrs	Minimum 0:57 hrs		Minimum 1:25 hrs	
			Maximum 2:21 hrs		Maximum 2:21 hrs	
External power input ⁽⁴⁾	16A		16A			
Dimensions (transport)	4950 x 2300 x 2600 (LxWxH)		7620 x 2750 x 2700(LxWxH)			
Dimensions (deployed) ⁽⁵⁾	6000 x 4200 x 3800 (LxWxH)		7620 x 2750 to 4450 x 2700 x 4850(LxWxH)			
Weight	3500kg		TBC	TBC	TBC	TBC

Telemetry Features	Remote monitoring of location, fuel level, power usage, solar power gain, battery state of charge (SOC)	
Reporting	Customisable reports available on power usage, solar power gain, CO ₂ saved.	
Security Features	Unit lowers to the ground making road wheels invisible. Towing connections under lockable flap High security access doors to battery and generator compartments. Fuel theft alarm.	High security access doors to battery and generator compartments. Fuel theft alarm.
Other	Solar panel angle adjustable to optimise power gain.	
Transport	Road towable	Flat bed lorry
Lifting features	Low level lifting eyes (Optional)	Low level lifting points and fork lift pockets

- Notes**
- 1 Based on a typical UK summers day, daily total of 5000Wh/m2 solar irradiation.
 - 2 All output sockets can be configured to suit customers requirements.
 - 3 Starting with 100% battery charge down to 20%.
 - 4 Can be increased to suit customers requirements.
 - 5 Height and width depend on solar panel angle setting.