

BISOL Off-Grid Systems



Off-Grid Power



BISOL Premium PV Modules



Pure Sine Wave Inverter /
Charger ⁽¹⁾



Main and Backup Power
Source



BISOL EasyMount mounting
solutions



AGM Deep Cycle Solar
Batteries








Fuel Saving



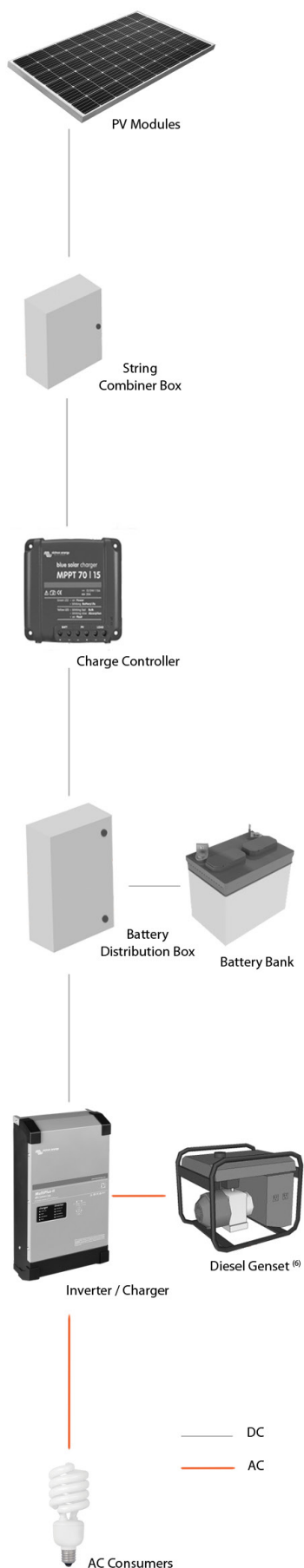
MPPT Solar Charge Controller



Wiring and Other Electrical
Components

Product	 BISOL XS Off-Grid System	 BISOL S Off-Grid System	 BISOL M Off-Grid System	 BISOL L Off-Grid System	 BISOL XL Off-Grid System
Typical application	boats, mobile homes	cottages, vacation homes	small houses	average family houses	large 1 or 2-family houses
Nominal PV power (STC)	285 W	570 W	1,710 W	4,275 W	7,125 W
Average daily production ⁽²⁾	0.82 kWh	1.64 kWh	4.92 kWh	12.30 kWh	20.50 kWh
Usable storage capacity ⁽³⁾	0.73 kWh	1.46 kWh	2.93 kWh	5.81 kWh	10.39 kWh
Output AC power	300 W	1,000 W	2,400 W	4,000 W	6,500 W

BISOL Off-Grid Kit Principle Electrical Scheme



BISOL Off-Grid Kit Technical Specification

Product	BISOL XS	BISOL S	BISOL M	BISOL L	BISOL XL
BISOL PV MODULES					
Module type	BISOL Premium multicrystalline 285 Wp, silver - white trim ⁽⁴⁾				
No. of PV modules	1	2	6	15	25
Nominal PV power (STC)	285 W	570 W	1,710 W	4,275 W	7,125 W
Average daily production ⁽²⁾	0.82 kWh	1.64 kWh	4.92 kWh	12.30 kWh	20.50 kWh
BISOL EASYMOUNT MOUNTING SYSTEM					
PV module array	/	1x2	1x6	3x5	5x5
Mounting solution	/	BISOL EasyMount Hook with Profile 50			
Optional mounting solution	Any array configuration with any BISOL EasyMount mounting system.				
SOLAR CHARGE CONTROLLER					
Charger type	MPPT				
Max. PV input voltage	75 V	100 V	150 V	250 V	
Max. PV input current	15 A		40 A	50 A	70 A
Max. charging current	15 A		35 A	60 A	100 A
SOLAR BATTERIES					
Battery type	AGM 12V, 135Ah			AGM 6V, 250Ah	AGM 2V, 430Ah
No. of batteries	1	2	4	8	24
Usable storage capacity ⁽³⁾	0.73 kWh	1.46 kWh	2.93 kWh	5.81 kWh	10.39 kWh
No. of battery cycles ⁽⁵⁾	2,500				
OFF-GRID INVERTER					
Inverter type	Pure sine-wave inverter only		Pure sine wave inverter/charger		
DC system voltage	12 V DC	24 V DC	48 V DC		
Max. apparent power (30 min)	375 VA	1,200 VA	3,000 VA	5,000 VA	8,000 VA
Constant output power @ 25°C	300 W	1,000 W	2,400 W	4,000 W	6,500 W
Peak output power (2 min)	700 W	2,400 W	6,000 W	10,000 W	16,000 W
AC output voltage	230 V AC				
AC output frequency	50 Hz				
AC input (back up)	/		32 A	50 A	2x100 A
AC generator auto-start function	/		Yes		
WIRING AND OTHER ELECTRICAL COMPONENTS					
DC combiner box	/			5 strings	
Battery distribution box	/		Fuses only		Fuses + switch
Battery monitor with display	/		Yes		
System monitoring with display	/			Yes	
Solar cable 1x6 mm ²	Assembly 2x10 m	Assembly 2x15 m	Assembly 2x15+2x5 m	250 m, not assembled	
PV-4 connectors	Pre-assembled			10 pairs (+/-)	
Charger connection	Assembly 2x2.5 m			2x2.5m, not assembled	
Inverter connection	Assembly 2x2.5 m			2x2.5m, not assembled	
Battery connection	/		Assembly 2x2.5 m	2x2.5m, not assembled	
Cable lugs, ferrules	Pre-assembled			supplied, not assembled	
Grounding cable	/		Yes		
Box, equipotential	/		Yes		

(1) Applies to BISOL M - XL Off-grid systems only. Smaller systems include only pure sine wave inverter.

(2) Based on average yearly production of 1.050 kWh/kWp.

(3) Maximum 50 % depth of discharge per C24 cycle has been taken into account.

(4) Other BISOL PV modules available upon request.

(5) Considering 50 % depth of discharge per cycle.

(6) The Diesel Genset is not part of the standard offer.

Dealer information

www.bisol.com | www.bisol.co.uk



Solar company!

Additional terms & conditions apply. Please see *Standard Limited Warranty* and *General Sales Terms & Conditions*.

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