



HPS15

The single-skid system consists of solar panels, lithium batteries and a backup generator all intelligently controlled to provide continuous power.



MODEL

Code	HPS15
Outlet Socket	<ul style="list-style-type: none"> • 15A - 230V • 32A - 230V (Hardwire Box RCD Protected) • Inverter 1 x 48V/15KVA
Inverter	32A - 230V (Hardwire Box RCD Protected)

ENGINE

Model	Yanmar 3TNV88
Fuel	Diesel
Engine Speed	1500rpm
Noise Level at 7mt	66dBA

LITHIUM BATTERIES

Battery Nominal Voltage	51.2V	
Battery Nominal Capacity	5120Wh	
Battery Type	LiFePO4 (LFP)	
Battery Number	4	
Battery Management System	Yes	
Operating Temperature	Charge	0° ~ 45°
	Discharge	-10° ~ 55°

ALTERNATOR

Model	RFL Alternator RF4
Rated Output	20kVA
Frequency	50Hz
Voltage	230V
Insulation Class	H
Degree of Protection	IP23

CONSUMPTION ONLY ENGINE MODE

Tank Capacity	400L
Fuel Consumption	@75% Load 2.65L

SOLAR PANEL

Solar Array Maximum Output	4kW
Panel Size	500W
PV Type	Monocrystalline
Number of Panels	8

DIMENSIONS & WEIGHT

Dimensions (Packed Down)	L 2500 x W 1520 x H 2530mm
Dimensions (Deployed)	L 4490 x W 4762 x H 2211mm
Dry Weight	2,000kg



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CONTROL PANEL EQUIPPED WITH:

Schneider HMI	<ul style="list-style-type: none">• Gen Run Hours & Fuel Level Monitor• Battery SOC Monitor• Solar Power Input• Load Output
ON/OFF switch	Fitted
Earth leakage detection	Fitted
Emergency stop	Fitted

DISTRIBUTION PANEL

2x 15A 1Ph 230V 3 Pin GPOs

1x 32A 1Ph 230V Hardwire Box Outlet (MEN Link Connected)

STANDARD FEATURES

Generator backup for excess power needs and extended poor weather affecting solar generation.

4G Telecommunications for complete remote programming, cloud monitoring and alarms.

GPS tracking and cellular coverage.

Customisable programs for generator run time/quiet time.

Built in fuel tank.

MPPT Solar charger model 150/85.

Folding design for easy storage and transport.

Durable Galvanised frame.

Forklift pockets and tie-downs for transportation.

Wind rating: 35 m/sec (126 km/h) in fully deployed position with outriggers engaged.

IP54 fan filters, IP55 electrical cabinet.

Makinex Renewables reserves the right to modify the technical specifications, items and design without notice. The images of the products are indicative for illustrative purposes only.



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RENEWABLES



HPS20

The single-skid system consists of solar panels, lithium batteries and a backup generator all intelligently controlled to provide continuous power.



MODEL

Code	HPS20
Outlet Socket	15A - 230V 32A - 400V (Hardwire Box RCD Protected)
Inverter	3 x 48V/8kVA

ENGINE

Model	Yanmar 3TNV88
Fuel	Diesel
Engine Speed	1500rpm
Noise Level at 7mt	66dBA

LITHIUM BATTERIES

Battery Nominal Voltage	51.2V	
Battery Nominal Capacity	5120Wh	
Battery Type	LiFePO4 (LFP)	
Batter Manufacturer	FBTech	
Battery Number	6	
Battery Management System	Yes	
Operating Temperature	Charge	0° ~ 45°
	Discharge	-10° ~ 55°

ALTERNATOR

Model	RFL Alternator RF4
Rated Output	30kVA
Frequency	50Hz
Voltage	400V
Insulation Class	H
Degree of Protection	IP23

CONSUMPTION ONLY ENGINE MODE

Tank Capacity	400L
Fuel Consumption - @75% Load	3.80L

SOLAR PANEL

Solar Array Maximum Output	4kW
Panel Size	500W
PV Type	Monocrystalline
Number of Panels	8

DIMENSIONS & WEIGHT

Dimensions (Packed)	L 2540 x W 1350 x H 2570mm
Dimensions (Deployed)	L 4300 x W 4200 x H 2200mm
Dry Weight	2,600kg



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CONTROL PANEL EQUIPPED WITH:

Schneider HMI	<ul style="list-style-type: none">• Gen Run Hours & Fuel level Monitor• Battery SOC Monitor• Solar Power Input• Load Output
ON/OFF switch	Fitted
Earth leakage detection	Fitted
Emergency stop	Fitted

DISTRIBUTION PANEL

2x 15A 1Ph 230V 3 Pin GPOs

1x 32A 4Ph 400V Hardwire Box Outlet (MEN Link Connected)

STANDARD FEATURES

Generator backup for excess power needs and extended poor weather affecting solar generation

4G Telecommunications for complete remote programming, cloud monitoring and alarms

GPS tracking and cellular coverage

Customisable programs for generator run time/quiet time

Built in fuel tank

MPPT Solar charger model 150/85

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