

# HIPOWER

## OFF GRID MOBILE POWER STATION

### TECHNICAL DATA



BIGLUX INNOVATION LTD

# HIPOWER-26

## Features

HIPOWER® is a new range of secure integrated hybrid power plant. With solar power, genset and other hybrid energy storage contained within one secure unit, HIPOWER® provides a simple all in one power solution ensuring drastically reduced fuel use and CO2 emissions. Delivered in a form factor that eliminates tampering and fuel theft vulnerability, HIPOWER® also delivers class leading noise attributes with 10 dbA when in hybrid mode and just 65 dBA@7m when the external diesel generator is running. HIPOWER® is mainly developed for Off Grid Distributed Power Solutions, Hybrid Pumps, Island House Power Stations, Telecom 5G Base Station applications, etc.

Designed and built to ISO:9001 standards, HIPOWER® is straight- forward and easy to use. With its control panel rated to IP55, it offers peace of mind for those concerned about fuel security, environment and noise.



Dimension	
Length	2950mm
Width	2296mm
Height	2180mm
Weight	3150kg

General Specification	
Model	HIPOWER-26
Rated System voltage	DC48V
Max. Solar Power	5850W
Daily power consumption	23.4KW.H(Solar)
Rated. genset power	20KW/25KVA
Rated AC. voltage	AC400V
Rated DC. voltage	DC48V
Max.AC load power	6KW
Max. DC load power	19KW
Ambient Operating Temperature	-5~60°C
Storage Temperature	-25~60°C

Note : Calculation basis 4h annual average effective light duration .



Solar Panel	
Model	SMD325M-6X12
Quantity	18pcs
Maximum Power	325W
Maximum Power Voltage	38.5VDC
Maximum Power Current	8.45A
Power Tolerance	0~+5W
Dimension	1979×1019×5.6 mm(L*W*H)
Extending type	Sliding
Extending area	36.5m <sup>2</sup>
Energy storage battery	
Model	6-CNFJ-200
Quantity	12pcs
Rated Capacity	200AH
Rated Voltage	12VDC
Maximum System Charging Current	150A
System Discharging Current	250A
Dimension	520*241*220mm(L*W*H)
Type	Special colloid battery for photovoltaic
Solar Charging Controller	
Model	SCH-100A
Quantity	1pcs
Solar Rated Voltage	48VDC
PV Operating Voltage	60~150V
Max.Output Current	100A
Self Consumption	2W
Max.Conversion Efficiency	98.5%
Dimension	405*230*110mm(L*W*H)
Protection Function	PV array short circuit , over charging , battery reverse polarity , output short circuit
Communication port	RS485

Inverter	
Model	H960248
Quantity	1pcs
Rated Power	6000W
Rated Input Voltage	48VDC
Rated Output Voltage	220Vac $\pm$ 2%
Output Waveform	Pure sine wave , Power frequency
Protection Function	Over load , short circuit , over/under voltage ,
Overloading Capacity	30s @ 120% load , 300ms @ 160% load
Dimension	640*255*205mm(L*W*H)
Display Type	LCD
Standby Diesel Generator	
Model	MDLS25-1
Quantity	1pcs
Max. Power	20kW
Rate Voltage	AC400V
Phase / Power Factor	3P / 0.8
Speed	1500rpm
Engine Type	3-Cylinder ,4-Stroke, Air-cooled,Veritcal
Start type	Manual
Tank Capacity	90 Liter
Sound Level	$\leq$ 65dBA@7m
Charger	
Model	ADY6111
Quantity	1pcs
Rated Power	9000W
Rated Input Voltage	400Vac $\pm$ 10% / 3P
Frequency	50Hz
Rated Output Voltage	38~60VDC (Adjustable)
Effective	$\geq$ 90%
Communication port	RS485/RS232/CAN
Dimension	420*275*630 mm(L*W*H)
Display Type	LCD



## Contact Us

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BIGLUX reserves the right to make changes in model,  
technical specification, color, configuration and accessories  
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Please contact the salesman before ordering.

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