



BLACK DRAGON INVERTER

Data sheet



Off Grid Solar Inverter



Max. Efficiency
98%



100A MPPT



RS232/GPRS
WIFI



IP21
Ingress Protection

Features

- 1-Pure sine wave solar inverter
- 2-Output power factor 1.0
- 3-Wifi & GPRS available for IOS and android
- 4-Built-in 80A MPPT solar charger
- 5-High PV input voltage range (90-450VDC)
- 6-Built-in anti-dusk kit for harsh environment
- 7-Smart battery charge design to optimize battery life
- 8-Meet the rich customize needs of customerse
- 9-Compatibe with lithium battery
- 10-Solar energy is provided directly to the load firs

Available
Color



Product
data sheet

Technical Specifications:

Model	HY1512M	HY3022MN-L
Rated Power	1500VA/1500W	3000VA/3000W
AC INPUT		
Voltage	230 VAC	
Select-able Voltage Range	170-280VAC (For Personal Computers) 90-280VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
AC OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%	
Surge Power	3000VA	6400VA
Efficiency (Peak)PV to INV	98%	
Efficiency (Peak)Battery to INV	94%	
Waveform	Pure sine wave	
Transfer Time	10ms(For Personal Computers), 20ms(For Home Appliances)	
BATTERY & AC CHARGER		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5VDC	27 VDC
Overcharge Protection	16VDC	33VDC
Maximum AC Charge Current	60A	
SOLAR CHARGER		
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	90-430VAC	
Maximum PV Array Open Circuit Voltage	450VDC	
Maximum Charging Current	80A	
PHYSICAL		
Dimension, D x W x H (mm)	348 x 270 x 95	
Net Weight (kgs)	4	5
Communication Interface	RS232/GPRS/WIFI	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

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FOR A BRIGHTER FUTURE



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