

HIGH FREQUENCY SOLAR INVERTER

MAGiC PRO I Series

2~6.2KW | Dual output



Smart Power Architecture

- MPPT charge controller with wide PV range
- Solar/utility/battery hybrid supply for continuous power

Flexible, Battery-Optional

- Runs loads even without a battery
- Reliable cold-start capability

Intelligent Control & Monitoring

- LCD for quick mode & charging settings
- RS485/CAN supported
- lithium battery communication ready

Dual Output, Smarter Load Control

- Dual AC outputs for prioritized load management
- Full protection: overload, short-circuit, deep-discharge

OEM Ready

- Customizable look & color
- Optional complete solar system packages

MAGiC

MAIN PARAMETER

MODEL	MAGiC Pro I 2012	MAGiC Pro I 3624	MAGiC Pro I 6048
Nominal Battery System Voltage	12VDC	24VDC	48VDC
INVERTER OUTPUT			
Rated Power (Main+Second Load)	2000VA/ 2000W	3600VA/ 3600W	6000VA/ 6000W
Battery Mode (Main+Second Load)	2000VA/ 1600W	3000VA/ 3000W	5500VA/ 5500W
Surge Power	3200W	6000W	11000W
Waveform	Pure sine wave		
AC Voltage Regulation (Batt.Mode)	230VAC±5% (Setting)		
Inverter Efficiency(Peak)	90~93%		
Transfer Time	10ms (UPS / VDE4105) / 20ms (APL)		
AC INPUT			
Voltage	230VAC±5%		
Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VED4105)		
Frequency Range	50Hz / 60Hz(Auto sensing)		
BATTERY			
Normal voltage	12VDC	24VDC	48VDC
Floating Charge Voltage	13.7VDC	27.4VDC	54.8VDC
Overcharge Protection	15VDC	30VDC	60VDC
SOLAR CHARGER & AC CHARGER			
Maximum PV Array Open Circuit Voltage	400VDC	400VDC	450VDC
Maximum PV Input Current	16A	18A	28A
Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)		
Maximum PV Array Power	2000W	4000W	6000W
PV Array MPPT Voltage Range	30~320VDC		
Maximum Solar Charge Current	80A	100A	100A
Maximum AC Charge Current	80A	60A	100A
Maximum Charge Current	80A	100A	100A

OTHER PARAMETER

MODEL	MAGiC Pro I 2012	MAGiC Pro I 3624	MAGiC Pro I 6048
Machine Dimension (W*H*D)(mm)	318*350*115	318*437*122.5	
Package Dimension (W*H*D)(mm)	446*187*394	544.5*200*410	
N.W (kg)	6.0	7.8	9.0
G.W (kg)	7.2	9.3	10.2
OTHER			
Humidity	5% to 95% Relative humidity (Non-condensing)		
Operating Temperature	-10°C~50°C		
Storage Temperature	-15°C~60°C		
Communication Interface	USB/WIFI/RS-485/CAN		
Warranty	2 year		
Anti-dust Kit	none	yes	yes

CERTIFICATION & STANDARDS

CE

*The technical specifications of this document are subject to change without any notice