



DOHO Series

Offgrid Solar Inverter

Operation without battery

- Pure sine wave solar inverter
- Output power factor 1.0
- Compatible to AC mains or generator power
- Considerable PV input voltages
- Battery independent design
- Build-in up to 80A MPPT solar charger
- Selectable input voltage range for home appliances and personal computers

Specification

MODEL		DOHO 3024	DOHO 5048
Nominal Battery System Voltage		24VDC	48VDC
INVERTER OUTPUT	Rated Power	3000W	5000W
	Surge Power	6000W	10000W
	Wave form	Pure Sine Wave	
	AC Voltage Regulation(Batt.Mode)	(220VAC~240VAC) ±5%	
	Inverter Efficiency(Peak)	93.5%	94%
	Transfer Time	10ms	
AC INPUT	Voltage	200/208/220/230/240VAC	
	Selectable Voltage Range	170~280Vac (for personal Computer) ; 90~280Vac (for home appliances)	
	Frequency Range	50Hz/60Hz (Auto sensing)	
BATTERY	Normal Voltage	24VDC	48VDC
	Floating Charge Voltage	27.4VDC	54.8VDC
	Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC	450VDC
	PV Array MPPT Voltage Range	30~115VDC	120~430VDC
	Standby Power Consumption	2W	
	PV Input Power	1500W	5500W
	Maximum Solar Charge Current	60A	80A
	Maximum Efficiency	98%	
	Maximum AC Charge Current	60A	80A
MECHANICAL SPECIFICATIONS	Machine Dimensions(W*H*D)(mm)	312x125x490	312x125x490
	Package Dimensions(W*H*D)(mm)	390x200x570	390x200x570
	Net Weight(kg)	8.2	10.18
	Gross Weight(kg)	9.4	11.4
OTHER	Humidity	5% to 95% Related Humidity (Non-condensing)	
	Operating Temperature	0°C~40°C	
	Storage Temperature	-15°C~60°C	

Product specifications are subject to change without further notice.