

InfiniSolar VM II Duplex S



- Comply with Grid-interconnection regulation
- Two independent AC power sources connected and switched automatically
- Output power factor 1
- Maximum PV input current
- Wide PV input voltage range 60VDC~450VDC
- Battery independent design
- Built-in MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle

InfiniSolar VM II Duplex S Hybrid Inverter Selection Guide

MODEL	InfiniSolar VM II Duplex S 3K		InfiniSolar VM II Duplex S 6K
RATED POWER	3000VA/3000W		6000VA/6000W
INPUT			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Computers) 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Surge Power	6000VA	12000VA	
Efficiency (Peak)	93%		
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	48 VDC		
Floating Charge Voltage	54 VDC		
Overcharge Protection	63 VDC		
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	MPPT		
Maximum PV Array Open Circuit Voltage	500 VDC		
Maximum PV Array Power	6000W		
Maximum PV Input Current	27A		
MPP Range @ Operating Voltage	60-450 VDC		
Maximum Solar Charge Current	60A	120A	
Maximum AC Charge Current	60A	100A	
Maximum Charge Current	60A	120A	
PHYSICAL			
Dimension, D x W x H (mm)	107 x 322.6 x 420.3		
Net Weight (kgs)	10.5		
Communication Interface	Wi-Fi, BMS		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		
STANDARD			
Compliance Safety	CE, NRS 097-2-1:2017		

Product specifications are subject to change without further notice.