

marvel[®] Tech

MIS IV TWIN

MIS IV TWIN 4KVA/6KV

Dual outputs for smart load management
MIS IV TWIN is occupied with two outputs. The second output can be scheduled on/off, setting cut-off voltage or SOC and discharging time via LCD setting. It facilitates users smart load control. Designed with 27A PV input current, MIS IV TWIN is compatible with the market trend of increased Imp in solar panels. It also allows a wide PV input voltage range from 60VDC to 450VDC. These features allow fewer solar panels required in the system and save space.



Main Features

- ▶ Dual output for smart load management.
- ▶ Maximum PV input current 27A.
- ▶ Wide PV input voltage range 60VDC~450VDC.
- ▶ Customizable status LED ring with RGB lights.
- ▶ Touchable button with large 4.3" colored LCD.
- ▶ Built-in Wifi for mobile monitoring (Android/iOS App available).
- ▶ Supports USB On-the-Go function.
- ▶ Data log event stored in the inverter.
- ▶ Reserved communication port (RS485, CAN-BUS or RS232) for BMS.
- ▶ Battery independent design.
- ▶ Battery equalization extends lifecycle.
- ▶ Enhanced charging power.
- ▶ Built-in anti-dust kit.

Technical Specifications:

MODEL	MIS IV 4K TWIN	MIS IV 6K TWIN
RATED POWER	4000VA/4000W	6000VA/6000W
INPUT		
Voltage	230 VAC	
Selectable Vdtdge Range	170-280 VAC (For Personal Computers)	
	90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mlde)	230VAC \pm 10%	
Surge Power	8000VA	12000VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	10 ms (For Personal Computers)	
	20 ms (For H001e Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Power	5000W	6000W
MPPT Range @Operating Voltage	60~450 VDC	60~450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
maximum PV Input Current	27A	
maximum Solar Charge Current	120A	120A
maximum AC Charge Current	100A	100A
maximum Charge Current	120A	120A
PHYSICAL		
Dimension, D x W x H (mm)	119 X 313.6 X 457.5	
Net Weight (kgs)	10	12
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10° C to 50° C	
Storage Temperature	-15° C to 60° C	