

MicroMate®

Long Back-up Time Emergency Power Supply (EPS)



Battery Bank

INV Series

Long Back-Up Time Emergency Power Supply (EPS) / Static Power Inverter

Design Features

- LED with real time information on input, output, load and battery data
- Design to provide excellent peak or surge power capability
- Support inductive loads such as electrical motors, compressors, air-conditioners and so on
- Pure sinewave output with very low Total Harmonic Distortion (THD). Suitable for all kinds of sensitive electrical or electronic loads
- Intelligent 4-step progressive charging stage
- Powerful charging rate up to 15A/35A/75A/90A
- Support incoming AC source from generator sets
- Microprocessor control to ensure stability and reliability
- Remote control function
- Equipped with full protection against output short-circuit, overload, over-temperature, over-charge, battery low, etc
- Optional remote LCD/LED screen panel available



Electric Fans



Hi-Fi



TV



Lightings



Personal Computer



Network



Telekom

1KW ~ 8KW

INV Series Long Back-up Time Emergency Power Supply (EPS) / Static Power Inverter: 1KW to 8KW

The **MicroMate** INV series long backup time emergency power supply (EPS) is manufactured by using proven CPU controlled PWM technology matched with a robust isolation transformer, providing highest level of reliability to meet the demand of today's AC power source requirement. The inverting process offers the efficiency of greater than 88% over the normal load range.

The pure sinewave output has extremely low electrical noise level and thus it is widely used in applications such as mobile petrol kiosks, solar/wind AC power generation, marine navigation, vehicles, telecommunication devices and places in which the AC utility power is not available.

Besides being environmental friendly and high energy efficient, it meets the stringent relevant industrial standards. It is equipped with all necessary protection features and powerful charging rates up to 15A/35A/75A/90A that compatible with various types of battery such as Gel U.S.A, A.G.M 1, A.G.M 2, Sealed Lead Acid, Gel European and Open Lead Acid.

TECHNICAL SPECIFICATIONS									
Model	INV1000i	INV1500i	INV2000i	INV3000i	INV4000i	INV5000i	INV6000i	INV7000i	INV8000i
Power Rated	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW	7KW	8KW
Max Power	1.1KW	1.6KW	2.1KW	3.1KW	4.1KW	5.1KW	6.1KW	7.1KW	8.1KW
Surge Power	3KW	4.5KW	6KW	9KW	12KW	15KW	18KW	21KW	24KW
Input#1 (Preferred)	DC 12V or 24V		DC 12V or 24V or 48V		DC 24V or 48V			DC 48V or 72V	
Input#2 (Alternate)	AC 110V (85V~150V) or AC 230V (194V~275V), 1-ph, 50Hz (or 46Hz~54Hz)								
Output Voltage	AC 110V (selectable 100V/120V/127V) or AC 230V (selectable 220V/240V), ±3%, 1-ph								
Charging Current	15A ~ 90A								
Output Frequency	50Hz ±0.1%								
Waveform	Pure Sinewave								
Output Distortion	≤ 3% THD (linear load)								
Efficiency	> 88%								
Protection	Over- / Under-voltage Protection Surge and Spike Current Protection Overload Protection Over-temperature Protection Output Short-circuit Protection								
DC Low Voltage Alarm Level	15% less than nominal								
DC High Voltage Cut Off Level	25% more than nominal								
Dimensions (mm ³)	W223 x D470 x H185				W223 x D650 x H185			W240 x D650 x H190	
Weight	15KG	17.5KG	19.5KG	25KG	35.5KG	39KG	47.5KG	53.5KG	59KG
Compliance	Comply to EMC: EN612040-2: 2016; EN61000-3-2:2014; EN61000-3-3: 2013 LVD: EN 62040-1: 2008+A1:2013								

NOTE : Product specifications and data may be subject to change for improvement without prior notice.

