

MSI Series

1kVA ~ 3 kVA

Application:

All kinds of ADP Machines



Control LCD Panel



Features:

- True Online Double-Conversion Technology
- IGBT Based Rectifier & Inverter
- Pure Sine wave output waveform
- High Input Power factor
- Output power factor 0.9
- Wide input voltage (110V – 300V)
- Converter mode available
- Inbuilt Static Bypass
- Auto Restart & Cold Start feature
- Inbuilt ECO mode for energy saving
- Generator compatible

Rear Panel

1. AC input
2. Input circuit breaker
3. USB communication port
4. RS-232 communication port
5. SNMP intelligent slot
6. External battery connection (only available for L model)
7. Output receptacles



1kVA

2kVA

3kVA



Inbuilt Battery Model		MSI1101B2	MSI1102B4	MSI1103B6
External Battery Model		MSI1101L3	MSI1102L6	MSI1103L6
PHASE		Single phase with ground		
CAPACITY		1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT				
Nominal Input Voltage		208V /220V /230V /240V AC		
Input Voltage Range		110-300V AC (Load Dependent)		
Frequency Range		40~70Hz		
Power Factor		≥ 0.99 @ Nominall Voltage (100% load)		
OUTPUT				
Output Voltage		208V /220V /230V /240V AC		
Voltage Regulation		± 1 %		
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz		
Crest Factor		3 : 1		
Harmonic Distortion		≤ 2 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)		
Transfer Time	AC Mode to Battery Mode	Zero		
	Bypass to Inverter	3 ms (Typical)		
Waveform		Pure Sine wave		
EFFICIENCY				
Online Efficiency		92%		
ECO Mode Efficiency		99%		
BATTERY				
Internal Battery Model	Battery Type	12V/9Ah	12V/9Ah	12V/9Ah
	Numbers	2	4	6
	Typical Recharge Time	4-6 hours recover to 90% capacity		
	Charging Current (max.)	1 A		
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%
External Battery Model	Battery Type	Depending on the capacity of external batteries		
	Numbers	3	6	6
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)		
	Charging Voltage	41.0VDC ± 1%	82.1 VDC ±1%	82.1 VDC ±1%
INDICATORS				
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
ALARM				
Battery Mode		Sounding every 4 seconds Sounding		
Low Battery		every second Sounding twice every		
Overload		second Continuously sounding		
Fault		second Continuously sounding		
PHYSICAL				
Standard Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318
	Net Weight (kgs)	9.8	17	26.2
Long-run Model **	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	
	Net Weight (kgs)	4.4	6.8	7.6
ENVIRONMENT				
Humidity		0-95 % RH @ 0- 50°C (Non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter		
MANAGEMENT				
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10/11 & Linux		
Optional		SNMP / Modbus / BPE Cyber / IoT		

* Product specifications are subject to change without further notice.

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POWER IS ON®



▶ Technical Specifications of Battery Pack

MODEL	BPMSIK6N9	BPMSIK12N9	BPMSIK18N9
			
Supported UPS	1K	2K / 3K	3K
Battery Type	12 V/9 Ah	12 V/9 Ah	12 V/9 Ah
Battery Number	6 pcs	12 pcs	18 pcs
Battery Voltage	24VDC	72 VDC	72 VDC
Dimension(DxWxH)	397 X 145 X 220	421 X 190 X 318	535 X 190 X 318
Net Weight (kgs)	20	40	67.5