

Green Cell

GC MPII Online UPS

Product card



Features:

1. Online double conversion
2. Wide input voltage range (110~300Vac)
3. Input power factor 0.99 (With PFC)
4. Output power factor 0.9
5. Maximum charging current 12A (Long run unit)
6. Charging current can be set by LCD
7. 750Hz/60Hz frequency converter mode
8. Emergency power off function (EPO)
9. Eco mode operation for energy saving (ECO)
10. Generator compatible
11. SNMP /USB / RS232 multiple communications
12. Smart battery charging design for optimized battery performance
13. Selectable output voltage: 200, 208, 220, 230, 240Vac
14. Low priority load disconnection function
15. Smart battery charging design for optimizing battery performance
16. 1A or 2A charging current can be selected 2A charging current is for 2 groups of inside batteries

Technical Specifications:

Model:

UPS10

Capacity:	1000VA / 1000W
Phase:	Single phase with ground
Input:	
Nominal Voltage:	200 / 208 / 220 / 230 / 240 Vac
Operating Voltage Range: Low voltage of transferring to bypass:	160Vac±5% @10 0%-80%bad 140Vac± 5% @80%-70%bad 120Vac±5%@70%-60%bad 110Vac±5%@60%-0%bad (Ambient temp. <35°C)
Low threshold voltage of recovenng from bypass:	175Vac±5%@100%-80%bad 155Vac±5%@80%-70°/load 135Vac±5%@70%-60°/load 125Vac±5%@60%-0°/load (Ambient temp. <35°C)
High voltage of transferring to bypass:	300Vac ± 5%
High threshold voltage of recovering from bypass:	290Vac ± 5%
Input Voltage Range:	55-150Vac or 110-300Vac@ 60% load, 80-145Vac or 160-300Vac @ 100% load
Operating Frequency Range:	40~70Hz
Power Factor	0.99
Generator Input:	Support
Output:	
Output Voltage:	200 / 208 / 220 / 230 / 240 Vac
Power Factor:	1.0
Voltage Regulation:	±1%
Frequency: Line mode (Synchronized range): Bat. mode:	47~53Hz or 57~63Hz (50/60 ± 0.1)Hz
Crest Factor:	3:1
Harmonic Distortion (THDv)	≤2% THD (Linear load)
Waveform:	≤4% THD /Non-linear load)
Transfer Time: AC <-> Batt. Mode: Inverter <-> Bypass:	Pure Sinewave Zero 7ms (Typical)
Efficiency:	
AC Mode:	88%
Battery Mode:	85%, 86%

Battery:

Battery Type:	12V9AH
Numbers:	2, 3
Backup time:	Long run unit depends on the capacity of external batteries.
Typical recharging time (Standard mode):	4 hours recover to 90% capacity
Charging voltage:	27.4VDC \pm 1%, 41.1VDC \pm 1%
Charging current (max.):	1A / 2A

System features:

Line mode battery mode:	105%-110%: UPS transfer to bypass after 10 minutes when the utility is normal
Ambient temp. <35°C:	110%-130%: UPS transfer to bypass after 1 minute when the utility is normal
	130%-150%: UPS transfer to bypass after 5 seconds when the utility is normal
	>150%: UPS transfer to bypass immediately when the utility is normal
35°C<ambient Temp.<40°C:	105%-110%: UPS transfer to bypass after 1 minute when the utility is normal
	110%-130%: UPS transfer to bypass after 5 seconds when the utility is normal
	>130%: UPS transfer to bypass immediately when the utility is normal
Short circuit:	Hold whole svstem
Overheat:	Line made: Switch to bypass; Backup made: Shut down UPS immediately
Battery low:	Alarm and switch off
EPO:	Shut down UPS immediately
Audible & Visual alarms:	Line failure, Battery low, Over load, System fault
Communication interface:	USB, RS232, SNMP card(optional), Relay card(optional)

Physical (Output PF 1.0):

Dimension W * H * D (mm):	144*209*293, 144*209*399
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Net Weight (kg): 9.8, 14.4

Physical (Output PF 0.8 or 0.9):

Dimension W * H * D (mm): 144*209*293, 144*209*399

Net Weight (kg): 9.8, 14.4

Environment:

Operating temperature:

0~40°C

Storage temperature:

-25°C ~55°C

Humidity range:

20~90% RH@ 0~40°C
(Non-condensing)

Altitude:

<1500m

Noise Level:

Less than 150dBA at 1 meter

Standards:

Safety:

EMC:

IEC/EN62040-1, IEC/EN60950-1
IEC/EN62040-2, IEC61000-4-2, I
EC61000-4-3, IEC61000-4-4, IEC
61000-4-5, IEC61000-4-6, IEC61
000-4-8

