

EASY Series

1000VA-3000VA

1:1 Phase PF: 1.0

- Online double conversion
- Wide input voltage range (110~300Vac).
- Input power factor 0.99 (With PFC)
- Output power factor 1.0
- Maximum charging current 12A (Long run unit)
- Charging current can be set by LCD
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Eco mode operation for energy saving (ECO)
- Generator compatible
- Low priority load disconnection function
- SNMP / USB / RS232 multiple communications
- Selectable output voltage: 200, 208, 220, 230, 240Vac
- Smart battery charging design for optimized battery performance
- Smart battery charging design for optimizing battery performance
- 1A or 2A charging current can be selected 2A charging current is for 2 groups of inside batteries



EASY series is the new generation of small to medium power transformer-less UPS of META POWER SYSTEM. EASY series adopts new circuit design, and electrical performance is optimized. The series is with reasonable inside arrangement, the dimension of the unit is small and the power density is high. The appearance is simple and beautiful by new design.

Advanced design makes EASY series more reliable and high power efficient, and reduce the TCO (total cost ownership) in result. Miniaturization design reduces the transportation space and installation space, and this also make it easy to maintain the EASY series for customers.

EASY series can support lithium battery and this supplies more choices to customers.



Technical Specifications:

Model		ESY1000		ESY2000		ESY3000	
Capacity (VA/Watts)		1000VA/1000W		2000VA/2000W		3000VA/3000W	
INPUT							
Nominal Voltage		200/208/220/230/240Vac					
Operating voltage Range	Low voltage of transferring to bypass	160Vac±5% @100%~80%load 140Vac±5% @80%~70%load 120Vac±5% @70%~60%load 110Vac±5% @60%~0%load (Ambient temp. <35°C)					
	Low threshold voltage of recovering from bypass	175Vac±5% @100%~80%load 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		200/208/220/230/240Vac					
Power Factor		1					
Voltage Regulation		±1%					
Frequency	Line mode (Synchronized range)	47~53Hz or 57~63Hz					
	Bat. mode	(50/60±0.1)Hz					
Crest Factor		3:01					
Harmonic Distortion (THDv)		<2% THD (Linear load)					
		<4% THD (Non-linear load)					
Waveform		Pure Sinewave					
TransferTime	AC mode <-> Batt. Mode	Zero					
	Inverter <-> Bypass	4ms(Typical)					
EFFICIENCY							
AC Mode		88%		92%		92%	
Battery Mode		85%	86%	87%	88%	89%	90%
BATTERY							
Battery Type		12V9AH		12V9AH		12V9AH	
Numbers		2	3	4	6	6	8
Typical recharging time(Standard mode)		4 hours recover to 90% capacity					
Charging voltage		27.4VDC±1%	41.1VDC±1%	54.7Vdc±1%	82.1Vdc±1%	82.1Vdc±1%	109.4Vdc±1%
Charging current(max.)		1A / 2A		1A / 2A		1A / 2A	
SYSTEM FEATURES							
Line mode Battery mode	Ambient temp.<35°C	105%~110%: UPS transfer to bypass after 10 minutes when the utility is normal 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 system					
Overheat		Line mode: Switch to bypass; Backup mode: Shut down UPS immediately					
Battery low		Alarm and switch off					
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	144*209*309	191*337*460	191*337*460	
Net Weight (kg)		9.8	14.4	17	27.1	27.6	32.8
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 50dBA at 1 Meter					
STANDARDS							
Safety		IEC/EN62040-1,IEC/EN60950-1					
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8					