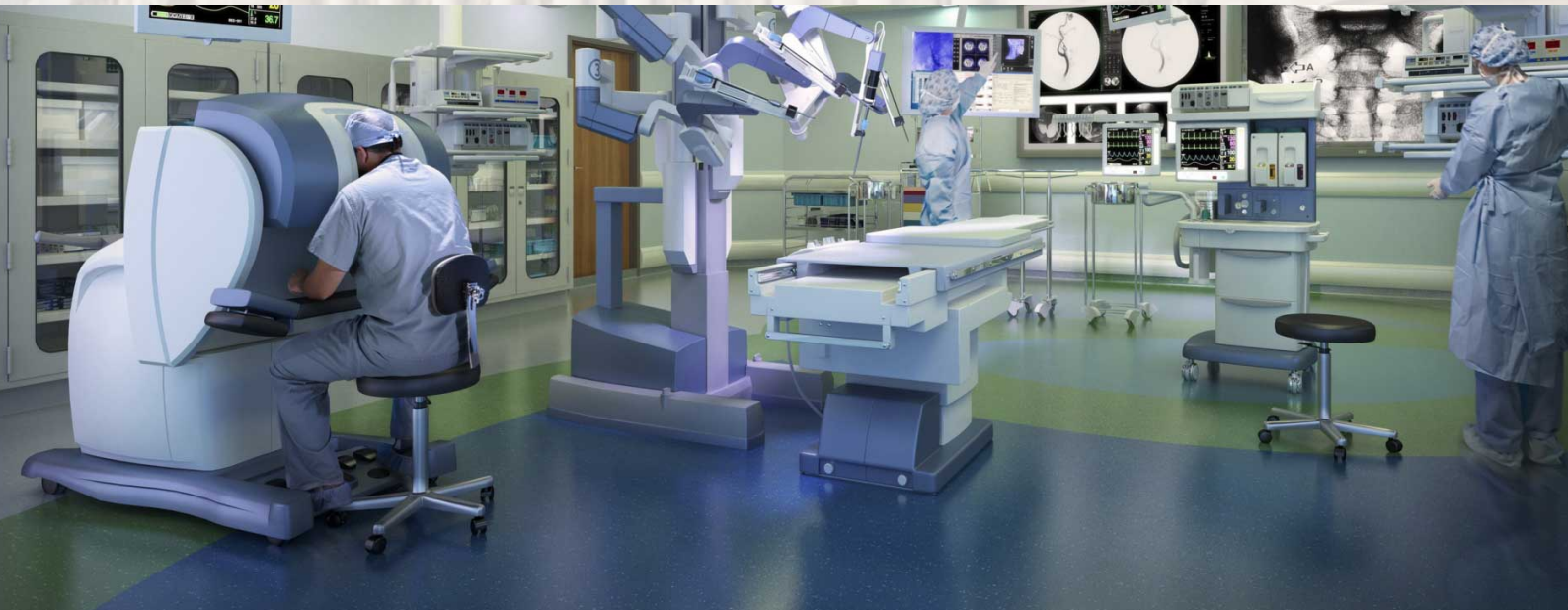
You Have the Power to Conserve.

EASY Series
6KVA-10KVA
1:1 Phase PF: 1.0

- Online double conversion
- N+X Parallel Redundancy
- 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)
- Estimated Remaining Time on LCD
- Generator compatible
- Cold start
- Load controlled fan
- SNMP / USB / RS232 multiple communications
- Low priority load disconnection function
- Selectable output voltage: 200, 208, 220, 230, 240Vac
- Smart battery charging design for optimizing battery performance
- 1A or 2A charging current can be selected2A charging current is for 2 groups of inside batterie

EASY series is the new generation of small to medium power transformer-less UPS of META SYSTEM UK LIMITED. 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.



META

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Technical Specifications:

MODEL		ESY6000	ESY6000L	ESY10000	ESY10000L
Capacity (VA/Watts)		6K/6K	6K/6K	10K/10K	10K/10K
INPUT					
Nominal Voltage		220/230/240Vac			
Operating Voltage Range		120～276Vac			
Frequency Range		50Hz:45~55Hz; 60Hz:54~66Hz(auto sensing)			
Power Factor		≥0.99			
Bypass voltage range		Max.voltage: 220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%,+15%), 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)			
Bypass frequency range		Frequency protection range:±10%			
ECO range		Same as the bypass			
Harmonic distortion (THDi)		<3%(100% linear load)			
Generator input		Support			
OUTPUT					
Output Voltage		220/230/240Vac			
Power Factor		1			
Voltage Regulation		±1%			
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)			
	Bat. Mode	50/60(±0.1)Hz			
Crest Factor		3:01			
Harmonic Distortion (THDv)		≤2% with linear load			
		≤5% with non-linear load			
Efficiency		>92%		>93%	
BATTERY					
Battery voltage		±96/108/120Vdc（optional）			
Capacity (standard unit)		12V-7Ah/9Ah			
Typical recharging time		6~8 hours (to 90% of full capacity)			
Charging current		1A(Standard unit); Long run unit Max.current10A(charging current can be set according to battery capacity installed)			
SYSTEM FEATURES					
Transfer time		Mains to battery:0ms; Mains to bypass:0ms			
Overload	Line Mode	Load≤110%: last 10min, ≤130%: last 1min, >130% turn to bypass mode immediately			
	Bypass Mode	40A(Breaker)		80A(Breaker)	
Short circuit		Hold whole system			
Overheat		Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately			
Battery low		Alarm and switch off			
Self-diagnostics		Upon power on and software control			
Battery		Advanced battery management			
Audible & Visual alarms		Line failure, Battery low, Overload, System fault			
LED & LCD display		Line mode, Bat. mode, Eco mode, Bypass mode, Battery under voltage, Overload & UPS fault			
LCD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time			
Communication interface		RS232,USB,SNMP card(optional), Parallel card(optional), Relay card (optional)			
ENVIRONMENT					
Operating temperature		0℃～40℃			
Storage temperature		'-25℃～55℃			
Humidity range		'0～95% (non-condensing)			
Altitude		< 1500m			
Noise level		<55dB			
PHYSICAL					
Dimension W×D×H (mm)		Standard model:191*460*720 ; long run model:191*405*330			
Net weight (kg)		Standard :60kg ; long run :11kg		Standard :61kg ; long run :12kg	
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			

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