

EASY RT Series

6KVA-10VA

1:1 Phase PF: 1.0

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <3%
- Optimization battery group, the quantity of battery:16/18/20
- High output power factor at 0.9PF
- Wide input voltage range: 120~276Vac
- Wide input frequency range
- Support generator input
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Options: SNMP card/Relay card/ Parallel card
- Cold start



BLACK

GRAY

BLUE



Parallel board



Relay card



Technical Specifications:

Model	ESY6000RT		ESY10000RT	
Cabacity (VA/Watts)	6VA/6KW		10VA/10KW	
INPUT				
Nominal Voltage	220/230/240Vac			
Operating 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	3:1			
Harmonic Distortion (THDv)	≤2% with linear load			
	≤5% with non-linear load			
Efficiency	>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	unit); Long run unit Max.current10A(charging current can be set according to battery capac			
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 , Bat. , Eco , Bypass mode, Battery under voltage, Overload & UPS fault			
LCD display	Input voltage, frequency, Output voltage, frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time			
ENVIRONMENT				
Operating temperature	0°C~40°C			
Storage temperature	-25°C~55°C			
Humidity range	0~95% (non-condensing)			
Altitude	< 1500m			
Noise level	<55dB			
PHYSICAL				
Dimension D×W×H (mm)	625×440×86.5			
Net weight (kg)				
STANDARDS				
Safety	IEC/EN62040-1,IEC/EN60950-1			
EMC	62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-			