

EnPlusEVO-RT UPS

1KVA to 3KVA



Astrid is proud to present the true online topology uninterruptable power supply, the EnPlusEVO RT series. Designed in rack mount or tower form, the Enplus EVO series provides continuous pure sine-wave power with its peak power factor of 0.9, double conversion technology, and high frequency design. With its market leading performance, the EnplusEVO RT series is the ideal power solution for net-work server rooms, cloud execution and storage systems, telecommunication centers, sensitive and critical electronic systems, or any system requiring high capacity and stable power supply.

FEATURES

- True Online Double Conversion
- Pure Sinewave
- DSP Control
- Mimic LCD Display (May be Rotated by Pushing Front Button) to support Rack Mount or Tower convertible
- High Output Power Factor at 0.9PF
- Comprehensive display allows easy monitor of UPS status
- USB or RS-232 interface with option for SNMP or Alarm Relay Card
- Hot-Swappable Battery
- Estimated Battery capacity Remaining Time display on the LCD
- Support Economic (ECO) Operation Mode
- Wide input voltage range: 110-290Vac (1PH)
- DC Cold Start
- Power Load Shedding during power failure
- Emergency Power Off (EPO)
- Frequency Converter Mode is Settable
- “H” & “H2” to support extended Long battery backup applications



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* Subject to changes without notice



TECHNICAL SPECIFICATION

MODEL	EnPlusEVO -1KRT	EnPlusEVO -1.5KRT	EnPlusEVO -2KRT	EnPlusEVO -3KRT	
CAPACITY (VA/Watts)	1000/900	1500/1350	2000/1800	3000/2700	
INPUT					
Rated Voltage	200/208/220/230/240Vac				
Voltage Range	160-290Vac (Full Power), 110 to 159VAC (Output Power derate)				
Frequency Range	45-65Hz(auto-detect)				
Power factor	>0.98				
Bypass voltage range	Max Voltage: +15% (optional +5%, +10%, +25%) Min Voltage: -45% (optional -15%, -20%, -30%) Frequency protection range: $\pm 10\%$				
Generator input	Supported				
OUTPUT					
Rated Voltage	200/208/220/230/240Vac				
Power factor	0.9				
Voltage regulation	$\pm 2\%$				
Frequency	Utility Mode	50Hz or 60Hz(Synchronized to Mains)			
	Battery Mode	50/60 ± 0.02 Hz			
Crest factor	3:1				
THDv	<3% with linear load , <5% with non linear load				
Efficiency	AC Mode (full load)	up to 90%			
	Battery Mode (full load)	>85%			
	ECO Mode (full load)	>94%			
BATTERY					
Standard Model	Battery Type	12V/9AH	12V/9AH	12V/9AH	12V/9AH
	Numbers	2	3	4	6
	Typical Range Time	4 hours recover to 90% capacity			
	Charging Current(max)	1.4A			
Long-run Model	Charging Voltage	27.4Vdc $\pm 1\%$	41.0Vdc $\pm 1\%$	54.7Vdc $\pm 1\%$	82.1Vdc $\pm 1\%$
	Battery Numbers	Depending on the capacity of external batteries			
	Charging Current(max)	"H" : 6A, "H2" : 12A			
	Charging Voltage	27.4Vdc $\pm 1\%$	41.0Vdc $\pm 1\%$	54.7Vdc $\pm 1\%$	82.1Vdc $\pm 1\%$
SYSTEM FEATURES					
Transfer time	Utility to Battery: 0ms; Utility to bypass<4ms				
Overload	AC Mode	Load <100%-150%: 30S; Load>150%: 300ms then shut down UPS completely			
	Battery Mode	Load <100%-150%: 30S; Load>150%: 300ms then shut down UPS completely			
	Bypass Mode	Load>130%: 60S then shut down output			
Audible & Visual	Line Failure, Battery Low, Overload, System Fault				
Status LED & LCD display	Load Battery/ Input/ Output/ Operating Mode Information				
Communication Interface	Smart RS232 / USB Port (Optional RJ45 SNMP Card or Alarm Relay Card)				
ENVIRONMENTAL					
Input Connection	IEC320 C14-10A		IEC320 C20-16A		
Output Connection	IEC320 C13-10A x 6 (Additional C19-16A x 1 for 3KVA UPS model)				
Operating temperature	0-45 °C				
Storage temperature	-25-+55 °C				
Humidity range	0-90% (non condensing)				
Altitude	<1500m (derating while >1500m)				
Noise	<50dB (at 1 meter)				
PHYSICAL (UPS)					
Dimension (WxHxD)mm	440x86.5x430		440x86.5x572	440x86.5x696	
Weight (kg)	15.1	18.1	22.2	25.5	
COMPLIANCE STANDARDS					
Safety	IEC/EN62040-1, IEC/EN60950-1				
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5				
EXTERNAL BATTERY PACK					
Model	RTB1	RTB2	RTB3	RTB4	
Battery type & Max quantity	9AH x 2 x 2	9AH x 2 x 3	9AH x 2 x 4	9AH x 2 x 6	
PHYSICAL (EXTERNAL BATTERY PACK)					
Dimension WxHxD (mm)	440x86.5x430	440x86.5x430	440x86.5x572	440x86.5x696	
Weight (kg)	20	28	36	50	