



FLEXIBLE BATTERY CONFIGURATION
IN-BUILT AND EXTERNAL BATTERY
CONFIGS ALLOW FLEX BACKUP TIMES



HIGH POWER DENSITY
COMPACT UNITS ENSURES TO STORE
IT IN ANY LOCATION



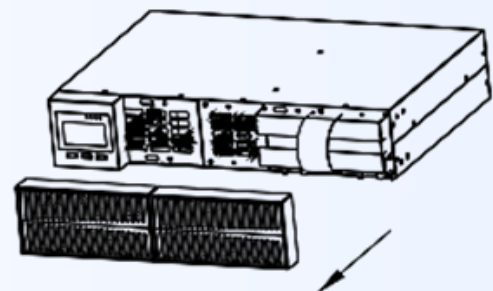
RACK/TOWER CONVERTIBLE
RACK/TOWER CONVERSION ALLOWS
DIFFERENT MOUNTING APPLICATIONS



REPLACABLE BATTERY PACKS
CONTAINS BATTERY PACKS FOR EASY
REPLACEMENT & REFURBISHMENT

ENCLOVE Energy: ON-LINE Rack Type Uninterruptible Power Supplies

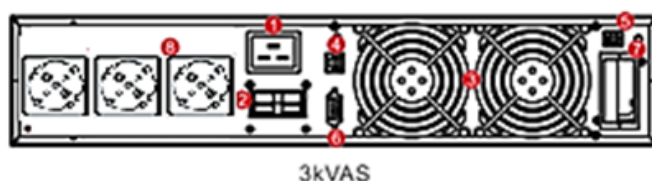
- High frequency online double conversion technology
- Three Level Technology - High Efficiency
- Advanced double core DSP and 3-Level conversion topology
- Input Power Factor Correction (PFC)
- Wide Input Voltage Range (110-300V)
- Output Power Factor: 0.9 (1.0 for 6 and 10kVA)
- Cold Start (Start from Battery without Mains)
- Automatic Frequency Sensing
- ECO Mode for High Energy Efficiency
- 50/60Hz Frequency Conversion Mode
- Selectable Output Voltage from LCD Screen
- Selectable Bypass Switching from LCD Screen
- Self Test on Power On
- Advanced Battery Management (ABM)
- Overload and Short Circuit Protection
- Automatic Battery Charge on OFF Mode
- Smart Fan Operation with Load Percentage
- Perfect GenSet compatibility
- Standard RS232 Communication Port
- USB/SNMP Communication Port (Optional)
- Emergency Power Off Function (EPO) (Optional)
- Extra Charger Board + Additional Battery (Optional)
- EMC Compatibility (EMC-LVD Certificates)
- 2 Years Warranty / 10 Years Spare Parts Warranty
- Parallel Operation (N+X) (for 6 and 10kVA)



MODEL	EON1101RT-S	EON1101RT-L	EON1102RT-S	EON1102RT-L	EON1103RT-S	EON1103RT-L
POWER (kVA/kW)	1kVA/0.9kW	1kVA/0.9kW	2kVA/1.8kW	2kVA/1.8kW	3kVA/2.7kW	3kVA/2.7kW
INPUT						
Voltage	208 / 220 / 230 / 240 VAC					
Voltage Range	176~280VAC 110~176VAC (50%-100% linear derate) / 280~300VAC (50% derate)					
Frequency	40~70Hz (Auto Sensing)					
Input Power Factor	≥ 0,99					
Total Harmonic Distortion (THDi)	≤ 6%					
Bypass Voltage Range	-25%~+15% (LCD Panel Selectable)					
OUTPUT						
Voltage	208 / 220 / 230 / 240 VAC (LCD Panel Selectable)					
Voltage Regulation	±%1 (Lineer Load)					
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (in Sync); 50 / 60 Hz ±0.1 Hz (Battery Mode)					
Waveform	Pure Sine Wave					
Output Power Factor	0.9					
Crest Factor	3:1					
Total Harmonic Distortion (THDu)	Lineer Load ≤ %2 / Non Lineer Load ≤ %5					
Transfer Time	Mains to Battery: 0ms Inverter to Bypass: 4ms					
Overload Characteristics	105% - 125% load - 1 mins (then Bypass) 125% - 150% Load - 30 secs (then Bypass) >150% Load - 300ms (then Bypass)					
Efficiency	Mains: ≥ %91 Battery: ≥ %85 ECO Mode: ≥ %95		Mains: ≥ %91 Battery: ≥ %86 ECO Mode: ≥ %96		Mains: ≥ %92 Battery: ≥ %87 ECO Mode: ≥ %97	
BATTERY						
Battery Voltage	24VDC		48VDC		72VDC	
Battery Quantity / Model	2 x 7Ah		4 x 7Ah		6 x 7Ah	
Battery Charger Current	1 Amp (S Models) / 6A (L Models)					
Battery Re-Charge Time	90% Capacity @ 8 Hours					
BATTERY						
Audible Alarms	Mains Failure, Battery Low, Battery Too Low, Over Load, General Fault					
Protection	Short Circuit, Over Load, Over Temperature, Battery Deep Discharge, Fan Test					
ENVIRONMENTS & STANDARDS						
Operation Temperature	0 °C- 40 °C					
Operation Humidity	%0 ~ %95 (Non-condensing)					
Storage Temperature	-40 °C~ 70 °C					
Audible Noise	<50 Db (1 meter away)					
Operation Altitude	≤1000m (without de-rate) / @1000-2000m 1% de-rate in each 100 m					
Communication	Standard: RS232 / Optional: USB, SNMP					
Standards	Safety: IEC 62040-1, IEC62477-1 EMC: IEC62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8					
PHYSICAL PROPERTIES						
Net Dimensions (W*D*H)	440x338x88	440x468x88	440x430x88	440x468x88	440x560x88	440x468x88
Packed Dimensions (W*D*H)	545x560x201	545x592x201	545x560x201	545x592x201	590x690x201	590x592x201
Net Weight (kg)	10,6	7,6	18,7	9,7	26,8	10,1
Packed Weight (kg)	11,3	11,1	21,8	13,2	29,7	13,6

* Our company has the right to change the model, visual and technical specification information of the products without prior notice.

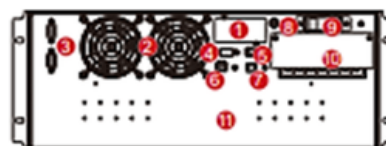
1. AC INPUT
2. BATTERY CONNECTION ADAPTER (OPT.)
3. FAN
4. USB (OPT.)
5. EPO (OPT.)
6. RS232
7. SNMP / AS 400 (OPT.)
8. OUTPUT



MODEL	EON1106RT-S	EON1106RT-L	EON1110RT-S	EON1110RT-L
POWER (kVA/kW)	6kVA/6kW	6kVA/6kW	10kVA/10kW	10kVA/10kW
INPUT				
Voltage	208 / 220 / 230 / 240 VAC			
Voltage Range	176~280VAC 110~176VAC (50%-100% linear derate) / 280~300VAC (50% derate)			
Frequency	40~70Hz (Auto Sensing)			
Input Power Factor	≥ 0,99			
Total Harmonic Distortion (THDi)	≤ 5%			
Bypass Voltage Range	-40%~+15% (LCD Panel Selectable)			
OUTPUT				
Voltage	208 / 220 / 230 / 240 VAC (LCD Panel Selectable)			
Voltage Regulation	±%1 (Lineer Load)			
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (in Sync); 50 / 60 Hz ±0.1 Hz (Battery Mode)			
Waveform	Pure Sine Wave			
Output Power Factor	1.0			
Crest Factor	3:1			
Total Harmonic Distortion (THDu)	Lineer Load ≤ %1 / Non Lineer Load ≤ %4			
Transfer Time	Mains to Battery: 0ms Inverter to Bypass: 4ms			
Overload Characteristics	105% - 110% load - 10 mins (then Bypass) 110% - 125% Load - 1 min (then Bypass) 125% - 150% Load - 30 sec (then Bypass)			
Efficiency	Mains: ≥ %94,5 ECO Mode: ≥ %98			
BATTERY				
Battery Voltage	192 - 240VDC (16 or 20 Battery Selectable) (192VDC Standard Models)			
Battery Quantity / Model	16 x 7 Ah	16 to 20 blocks	16 x 9 Ah	16 to 20 blocks
Battery Charger Current	1 Amp (S Models) / 5A (L Models) (12A Optional)			
Battery Re-Charge Time	90% Capacity @ 8 Hours			
BATTERY				
Audible Alarms	Mains Failure, Battery Low, Battery Too Low, Over Load, General Fault			
Protection	Short Circuit, Over Load, Over Temperature, Battery Deep Discharge, Fan Test			
ENVIRONMENTS & STANDARDS				
Operation Temperature	0 °C- 40 °C			
Operation Humidity	%0 ~ %95 (Non-condensing)			
Storage Temperature	-40 °C~ 70 °C			
Audible Noise	<55 Db (1 meter away)		<55 Db (1 meter away)	
Operation Altitude	≤1000m (without de-rate) / @1000-2000m 1% de-rate in each 100 m			
Communication	Standard: RS232 / Optional: USB, SNMP			
Standards	Safety: IEC 62040-1, IEC62477-1 EMC: IEC62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8			
PHYSICAL PROPERTIES				
Net Dimensions (W*D*H)	440x660x176	440x580x88	440x660x176	440x580x88
Packed Dimensions (W*D*H)	564x792x418	514x696x168	564x792x418	514x696x168
Net Weight (kg)	58	12	63	14
Packed Weight (kg)	68	14	73	16

* Our company has the right to change the model, visual and technical specification information of the products without prior notice.

1. SNMP (OPT.)
2. FANS
3. PARALLEL PORT (OPT.)
4. RS232
5. EPO
6. USB (OPT.)
7. TEMPERATURE SENSOR (OPT.)
8. EARTHING
9. BYPASS SWITCH
10. UPS CONNECTION TERMINALS
11. BATTERIES



6-10 KVA. (S)