ENCLOVE
ENERGY SOLUTIONS

EON 33 SERIES
ON-LINE 3:3 PH UPS
10kVA - 60kVA

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

MAXED OUT EFFICIENCY
EFFICIENCY LEVELS UP TO 98% HELPS YOU ON YOUR ENERGY SAVINGS

N+X PARALLELABLE
N+X PARALLEL CONFIGURATION WITH EXTERNAL M. BYPASS

ENCLOVE Energy:
ON-LINE 3:3 Phase Tower Type
Uninterruptable Power Supplies

- High frequency online double conversion technology
- Advanced double core DSP and 3-Level conversion
- Active Power Factor Correction (APFC)
- Input Power Factor up to 0.99
- System Efficiency: 95%
- Output Power Factor: 1,0
- Double Input that supports split bypass
- Wide Input Voltage Range
- 50/60 Hz (Auto-Sense), Frequency Converter Mode
- Up to 98% Efficiency in ECO Mode
- Smart Fan Speed mode related with the load percentage.
- Adjustable battery quantity between 32 to 40 blocks
- Digital Controlled Charge Device (Max.10A & %20 power
- Start from Battery when there is no mains (Cold Start)
- 0 Transfer time for Power Supply Mode
- Compact Internal Layout, high power density,
- 5in Color touch screen
- Parameter configuration and advanced software
- Advanced Multi Platform Communication for UPS
- Monitoring: RS232, USB, RS485, Dry Contact, SNMP Board, Wi-Fi Board ve GPRS Board
- Smart Battery Management, Automatic Equalize and flexible charge control, sleep mode control for charger, advanced design life for charger board and longer battery life time

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MODEL	EON 3310	EON3320	EON3330	EON3340	EON3360
POWER (VA)	10kVA	20kVA	30kVA	40kVA	60kVA
POWER (VA)	10kW	20kW	30kW	40kW	60kW
INPUT					
Voltage	380 / 400 / 415 VAC (Ph-Ph)				
Voltage Range	228~478Vac (3Φ + N + PE)				
Frequency	50 / 60Hz Auto Sensing				
Frequency Range	40-70 Hz. ± % 0,5				
Input Power Factor	≥ 0,99				
Total Harmonic Distortion (THDi)	Lineer Load ≤ %1 ; Non-Lineer Load ≤ %3				
Bypass Voltage Range	Factory Setting; -20%〜+15% (LCD Panel Selectable) Lower Limit: +10/15/20/25% - Top Limit: -10/15/20/30/40% (LCD Panel Selectable)				
Bypass Frequency Range	±1Hz, ±3Hz, ±5Hz (LCD Panel Selectable)				
Bypass Over Load Capability	125% - Continuous 125%~130% - 10mins 130%~150% - 1 min 150%~400% - 1 sec >400% - 200ms				
OUTPUT					
Voltage	380 / 400 / 415 VAC (LCD Panel Selectable)				
Voltage Regulation	±%1 (Lineer Load)				
Frequency	Sync with Mains, Battery Operation 50 / 60 Hz. ±0,1Hz				
Waveform	Pure Sine Wave				
Output Power Factor	1.0				
Efficiency	Max. 95%			Max. 96%	
Crest Factor	3:1				
Total Harmonic Distortion (THDu)	Lineer Load ≤ %1 Non Lineer Load ≤ %3				
Transfer Time	0 ms				
Inverter Overload Characteristics	110% load - 60mins 110-25% Load - 10mins 125-150% Load - 1min 150% Load - >200ms				
BATTERY					
Battery Voltage	In-Built Battery Models: 240 VDC External Battery Models: 32-40 adet (Adjustable				
Battery Quantity / Model	(10+10) 20*12V.7-9 Ah	(20+20) 40*12V.7-9 Ah	(15+15) 2 Strings 60*12V.7-9 Ah	N/A	
Battery Charger Current	Max. 10A			Max. 15A	Max. 20A
Charge Voltage Sensitivity	≤ %1				
SYSTEM					
Display	5 inch Touch Panel Display (Colored)				
Alarms	On Battery, Battery Low, Fan Failure				
Parallel Operation	Up to 6 (Optional)				
ENVIRONMENTS & STANDARDS					
Operation Temperature	0 ˚C- 40 ˚C				
Operation Humidity	%0 ~ %95 (Non-condesing)				
Storage Temperature	-40 ˚C~ 70 ˚C				
Audible Noise	<58 Db (1 meter away)				
Operation Altitude	≤1000m (without de-rate) / @1000-2000m 1% de-rate in each 100 m				
Communication	Standard: RS232, RS485, USB, Battery Cold Start Optional: Configurable Dry Contacts, SNMP, Paralel Kit				
PHYSICAL PROPERTIES					
Net Dimensions (W*D*H) - Standard	250x720x560	250x800x700	250x840x930	250x720x560	250x790x560
Package Dimensions (W*D*H) - Standard	350x800x862	350x900x862	350x950x1102	350x800x718	350x850x818

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