

BOXER S

SERIES

10/15/20 kVA

3:3
PHASE

3:1
PHASE

ONLINE UPS



DATA CENTER



MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY



UPS ONLINE



TOWER



POWER FACTOR



SERVICE

FEATURES

- High Frequency and True Double-Conversion
- DSP (Digital Signal Processors) Technology
- Input Power Factor Correction (PFC)
- Output Power Factor 0.9
- Cold Start (Optional)
- Auto Sensing Frequency
- ECO Mode Operation for Energy Saving
- Selectable Output Voltage via LCD
- 50Hz/60Hz Frequency Converter Mode Available
- Selectable Battery Low Voltage via LCD
- Power-On Self Test
- Advanced Battery Management (ABM)
- Short Circuit and Overload Protection
- Automatically Charging Battery at UPS Off Mode
- Fan Speed Auto Control when Load Varies
- Generator Compatible
- Emergency Power Off (EPO)
- Standard RS232 Communication Port
- Manuel Bypass
- SNMP Communication Port (Optional)
- Dry Contact (Optional)
- Modbus (Optional)



BOXER Serisi Bureau Veritas tarafından
Avrupa Ürün Performansı standardına
göre sertifikalandırılmıştır. (EN 62040-3)



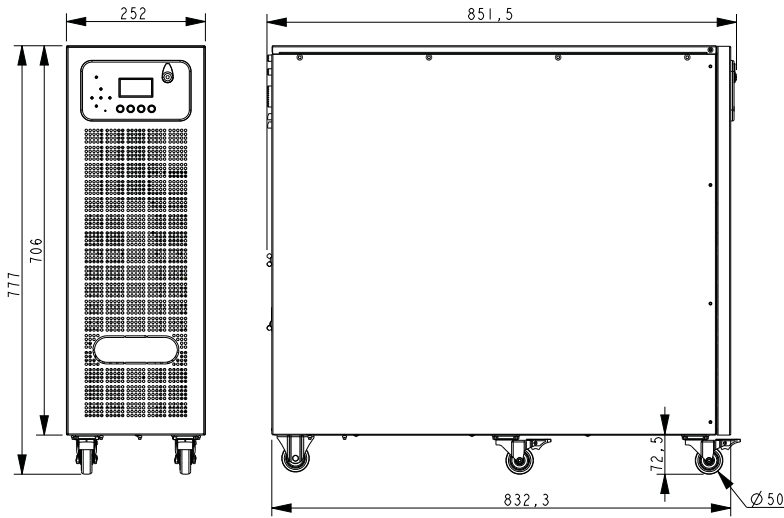
POWER
FORLIFE

Aytemiz
MAKELSAN
Kesintisiz Güç Kaynakları

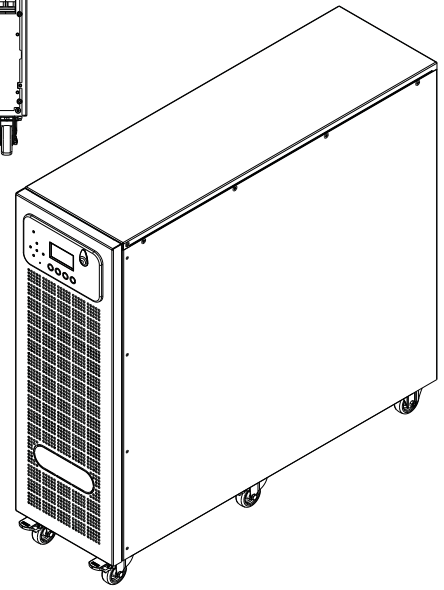
MODEL					
Capacity		10kVA / 9kW		15kVA / 13,5kW	20kVA / 18kW
INPUT					
Related Voltage		380 / 400 / 415 VAC, -%18 +%15, (3P+N+PE)			
Frequency Range		45-65Hz			
Power Factor		≥0,99			
Bypass Frequency Range		50-60 Hz ±10%			
Harmonic Distortion		≤3% (100% Non-Linear Load)			
ECO Range		Max. Voltage: 220V: +25% (Optional +10%, +15%, +20%), 230V: +20% (Optional +10%, +15%), 240V: +15% (Optional +10%) Min. Voltage: -45% (Optional -20%, -30%)			
Generator		Compatible			
OUTPUT					
Voltage Range		380V / 400V / 415 VAC (3Ph+N+PE), Optional (220V / 230 / 240 1Ph+N+PE)			
Power Factor		0.9			
Voltage Regulation		± 1% Static, ± 1% Dynamic			
Frequency	AC Mode	±1%, ±2% , ±4%, ±5%, ±10% (Optional)			
	Battery Mode	50/60 ± 0.1 Hz			
Waveform		Pure Sinewave			
Crest Factor		3:1			
Harmonic Distortion		≤2% (Linear Load) ≤5% (Non-Linear Load)			
Transfer Time		Battery Mode to Inverter Mode 0ms, Inverter to Bypass Mode 0ms			
Output Dynamic Tolerance		At 100% Load ±5%			
Overload	AC Mode	≤110%: 60min.; ≤125%: 10min.; ≤150%: 1min. ≥150% turn to Bypass Mode Immediately			
Capability	Battery Mode	>150% Bypass Mode			
Parallel Operation		Optional			
EFFICIENCY					
AC Mode		%93,5		%94,5	
Battery Mode		%92,5		%93,5	
ECO Mode		%98			
BATTERY					
DC Voltage		240-480 VDC		360-480 VDC	
Battery Quantity 12V		20-40		30-40	
Charge Current		5A			
Typical Recharge Time		8 hour			
PROTECTION					
Full Protection		Overload, Short Circuit ve Battery Charge-Discharge Protection, RFI/EMI Filtre			
SYSTEM FEATURES					
Charge Current		Smart Charging System			
Over-temperature		Line Mode: Turn to Bypass; Backup Mode: Shut Down UPS Immediately			
Intelligent Alarm System		Line Failure, Low Battery, Overload, System Failure			
LED&LCD Monitor		Line Mode, Battery Mode, Bypass Mode, Battery Low, Overload & UPS Fault			
ALARM					
Utility Failure		Line Mode, Low Battery, Overload, System Fault			
Battery Low		Alarm and Shut Down			
Overload		Overload			
UPS Fault		System Fault			
ENVIRONMENTAL					
Operation Temperature		0°C~40°C			
Storage Temperature		-25°C~55°C			
Humidity		0%~90%			
Altitude		<1500 m			
Noise Level		<50 dB			
COMMUNICATION					
Communication Interface		RS232, RS485, Parallel Port, Dry Contact (Optional), SNMP (Optional), Cold Start (Optional)			
Software		SEC, TELNET			
Emergency Power Off (EPO)		Standard			
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			
DIMENSIONS & WEIGHT		10kVA	15kVA	20kVA	
40 BATT Dimensions WxDxH (mm)		252 x 851,5 x 777			
Net Without Batt Weight (kg)		52	53	59	
Max Net With Batt Weight (kg)		161	162	168	
60 BATT Dimensions WxDxH (mm)		342 x 856,4 x 827			
Net Without Batt Weight (kg)		62	63	70	
Max Net With Batt Weight (kg)		225	226	233	

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DETAYLAR



BOXER S SERIES
40 BATTERIES



BOXER S SERIES
60 BATTERIES

