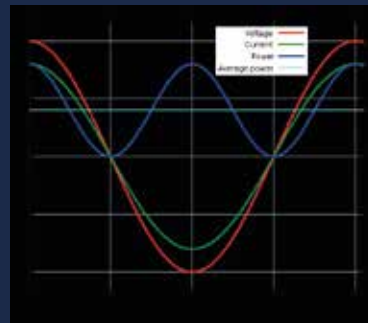




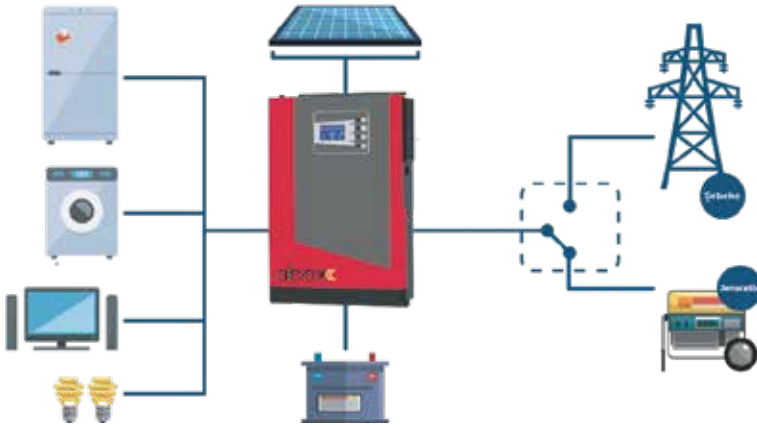
$\cos\phi = 1$

More active power with $\cos\phi = 1$!



$\phi = 0$

1 KVA = 1 KW
3 KVA = 3 KW
5 KVA = 5 KW



Priority source selection:

Sun, battery, grid, generator

Precision protection systems

- Over current protection
- Over voltage protection
- Battery deep charge protection ...

“ **User friendly LCD screen**
Detailed system analysis Wide LCD display and 4 command button. ”



Off Grid

Ideal and economical solution for sensitive and uninterrupted loads.

With 24/7 service guarantee...



Pure Sine Wave Output Solar Inverter
Selectable High Power Charging Current
Wide DC Input Range
Selectable input voltage range for home appliances and personal computers
Adjustable parameters with large LCD screen and keypad
Compatible with Sun, Battery, On-Grid, Generator Mains voltage or generator voltage
When the grid comes to power Automatic restart
Overload and short circuit protection
Intelligent battery charging design for optimum battery performance
Operation function without mains (battery start)

Model	abax OBV1000	abax OBV 3000-24	abax OBVM 3000-24	abax OBV 5000-48	abax OBVM 5000-48
Rated Power	1000VA/1000W	3000VA/3000W		5000VA/5000W	

INPUT					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				

OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%				
Surge Power	2000VA	6000VA		10000VA	
Efficiency (Peak)	90% ~ 93%				
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances/Ev Aletleri için)				
Waveform	Pure sine wave				

BATTERY					
Battery Voltage	12 VDC	24 VDC		48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC	
Overcharge Protection	15.5 VDC	33 VDC		63 VDC	

SOLAR CHARGER & AC CHARGER					
Solar Charger Type	PWM	PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	50 VDC	80 VDC	102 VDC	105 VDC	145 VDC
Maximum PV Array Power	600W	1200W	1000W	2400W	3000W
MPP Range @ Operating Voltage	N/A	N/A	30 ~ 80 VDC	N/A	60 ~ 115 VDC
Maximum Solar Charge Current	50A	50A	40A	50A	60A
Maximum AC Charge Current	20A	25A		60A	
Maximum Charge Current	50A	70A	60A	110A	120A

INDICATORS					
AC Mod	Green led / Flashing Yellow / Red Led				

ALARM					
Low Battery	Sounding every second "Bip"				
Overload	Sounding every 0.5 second "Bip"				
Battery Replacement	Sounding every 2 seconds "Bip"				
Fault	Continuously sounding "Bip"				

PHYSICAL					
Dimension D X W X H (mm)	88 x 225 x 320	100 x 285 x 334		100 x 300 x 440	100 x 300 x 440
Net Weight (kgs)	4,4	6,3	6,5	8,5	9,7
Communication Interface	USB/RS232				

OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10°C to 50°C				
Storage Temperature	-15°C to 60°C				

Note: Depending on the needs, technical specifications can be updated.