



ORBUS
one sun, one world

**ÜRÜN
KATALOĞU**



www.orbussolar.com

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teksan
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ORBUS ECO SERİSİ



Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 120A MPPT Solar charge:max 6200W(for 3.6KW), max 6500W (for 6.2KW)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output



MODEL	OM ECO 4.2KW-24	ONM ECO 6.2KW-48
Phase	1-phase	
Maximum PV Input Power	4200W	6500W
Rated Output Power	3600W	6200W
Maximum Solar Charging Current	120A	120A
GRID-TIE OPERATION		
PV Input(DC)		
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage/Initial Feeding Voltage	60VDC/ 90VDC	
MPPT Voltage Range	60~450VDC	
Number of MPPT Trackers/Maximum Input Current	1/23A	1/23A
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5~253VAC	
Nominal Output Current	15.7A	27.0A
Power Factor	>0.99	
Feed-in Grid Frequency Range	49~51±1Hz	
EFFICIENCY		
Maximum Conversion Efficiency(Solar to AC)	98%	
TWO LOAD OUTPUT POWER(V2.0)		
Full Load	3600W	6200W
Maximum Main Load	3600W	6200W
Maximum Second Load(battery mode)	1200W	2067W
Main Load Cut Off Voltage	22VDC	44VDC
Main Load Return Voltage	26VDC	52VDC
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC	
Maximum AC Input Current	40A	50A
Nominal operating frequency	50/60Hz	
Surge power	7200W	10000W
BATTERY MODE OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Waveform	Pure sine wave	
Efficiency(DC to AC)	94%	
BATTERY & CHARGER		
Nominal DC Voltage	24VDC	48VDC
Maximum Charging Current (Solar to AC)	120A	120A
Maximum AC Charging Current	100A	
GENERAL		
PHYSICAL		
Dimension,D X W X H(mm)	420*310*110	
Cartoon Dimension,D X W XH(mm)	500*415*180	
Net Weight(kgs)	8.8	9.8
Gross Weight(kgs)	10	11
INTERFACE		
Communication Port	RS232/WIFI/GPRS/LITHIUM BATTERY	

ORBUS ECO SERISI



Features

- Pure sine wave solar inverter
- Wifi&GPRS available for IOS and android
- Built-in 80A MPPT solar charger
- High PV input voltage range(30~400VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- meet rich customized demands
- Compatible with lithium battery
- Solar energy is provided directly to the load first



Model	OML 2KW-12	OML 3.2KW-24
RATED POWER	2000VA/1600W	3200VA/3000W
AC Input		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(For Personal Computers)	
	90~280VAC(For Home Appliances)	
Frequency Range	50 Hz/60Hz(Auto sensing)	
AC OUTPUT		
AC Voltage Regulation	230VAC±5%	
Surge Power	4000VA	6400VA
Efficiency(Peak)PV to INV	98%	
Efficiency(Peak)Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)	
BATTERY & AC CHARGER		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	33VDC
Maximum AC Charge Current	60A	
SOLAR CHARGER		
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	30~400VDC	
Maximum PV Array Open Circuit Voltage	400VDC	
Maximum Charging Current	80A	
PHYSICAL		
Dimension,D*W*H(mm)	357*273*95	
Cartoon Dimension,D X W XH(mm)	435*335*165	
Net Weight(kgs)	4.6	4.8
Gross Weight(kgs)	5.6	5.8
Communication interface	RS232/GPRS/WIFI	