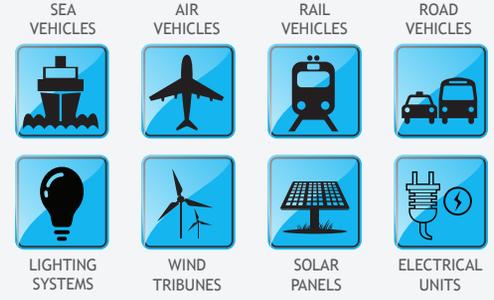


SERVO-INV SOLAR

1-5 kW

Wall Mounted Integrated
On/Off Grid Solar Inverter



GENERAL FEATURES

- Pure sine wave output
- On grid and off grid hybrid application
- Selectable power supply; battery, grid, PV
- Selectable charging current and voltage
- Parallel operation up to 6 units
- High frequency full bridge design
- Built-in MPPT solar charge controller
- Selectable input voltage range for household appliances and personal use
- Selectable charging current based on applications
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

FULL PROTECTION

Protection for low battery voltage, over load, output short circuit and over-temperature, restrain surge interference, eliminate noise protection for thunder striking, provide the reliable power to the household appliances

APPLICATIONS

Supply the reliable long back up time power for the household appliances office appliances and solar power systems etc.

STANDARDS

CE, ISO 9001:2008

Uninterrupted Power Uninterrupted Service



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TECHNICAL SPECIFICATIONS

Model	SERVO-INV SOLAR				
Power	1 kW	2 kW	3 kW	4 kW	5 kW
Max. PV Array Power	1 kW	2 kW	3 kW	4 kW	5 kW
Max. PV Array Open Circuit Voltage	145 Vdc				
MPPT Tracker Number	1	1	1	1	2
ON GRID MODE					
Nominal Output Voltage	220 / 230 / 240 Vac				
Output Voltage Range	185 - 270 Vac				
Nominal Output Current	4,3 A	8,7 A	13 A	17,4 A	21,7 A
Power Factor	1,0				
Efficiency	>90%				
Input Voltage Range	170 - 280 Vac				
Frequency	50 Hz / 60 Hz (Auto Select)				
Maximum AC Input Current	30 A		40 A		
ON BATTERY MODE					
Nominal Output Voltage	220 / 230 / 240 Vac				
Output Wave Form	Pure Sine Wave				
Efficiency	>93%				
Battery & Charger					
Nominal DC Voltage	12 Vdc	24 Vdc	48 Vdc		
Maximum Solar Charge Current	80 A	80 A	80 A	80 A	120 A
Maximum AC Charge Current	60 A				
Maximum Charge Current	140 A				180 A
INTERFACE					
Parallel Function	Above 3000 W				
Communication	USB or RS232 / Dry-Contact				
ENVIRONMENT					
Relative Humidity	0% ~ 95% (Non-Condensing)				
Operating Temperature	0 °C ~ 55 °C				
Altitude	≤ 2000 m				

SERVO-MATİK Elektronik Sistemler San. Tic. Ltd. Şti. keeps the right to change the information on this document without any notice.