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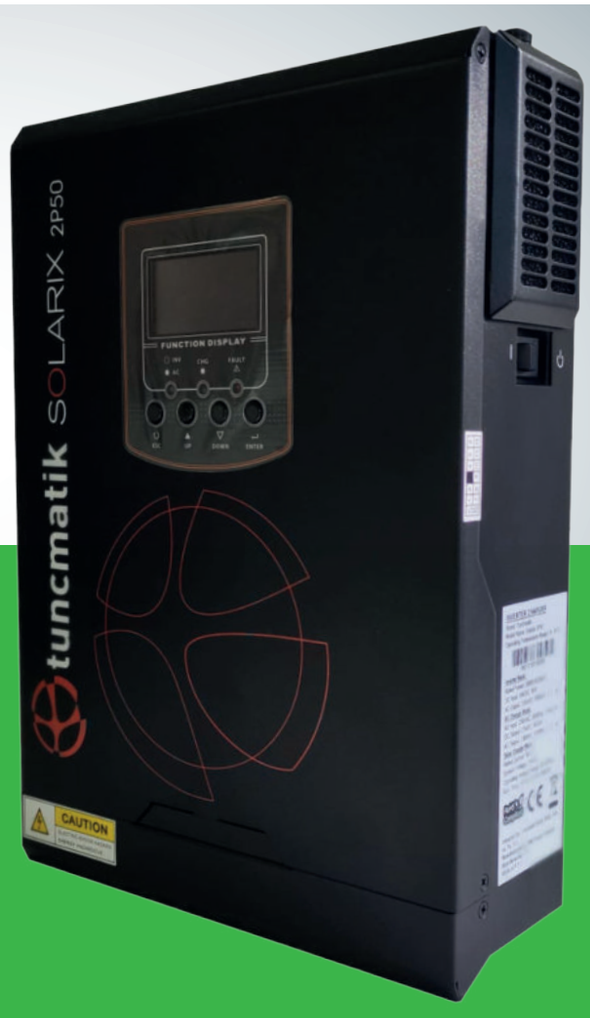
Solarix P Series

1/2/3 kW

SOLAR INVERTER

TÜRKİYE ŞARTLARINA TAM UYUMLU
COMPATIBLE TO THE CONDITIONS OF TURKEY



Pure sinewave output
Full compatibility with all kinds of electrical devices, the ideal solution for your critical applications.

Wide input voltage range (90-280 VAC)
The ability to work online in electrical household appliancesat voltages between 90-280VAC, in computer applications at voltages between 170-280VAC without switching to the battery.

Intelligent charging technology for optimal battery performance
Since Solarix solar inverters charge the battery with a 3-step battery charging algorithm, they extend the battery life, reduce your operating costs, and provide savings.

High performance microprocessor
Thanks to the digital structure and high speed of the CPU-controlled control board is provides full protection by performing the protection functions of the Solar Inverter such as overload, short circuit, low-high voltage and over-temperature in a timely manner, thus ensuring that the Solar Inverter has a stable and reliable structure.

RS-232 & USB communication port
To allow for unattended Solar Inverter to shutdown/start-up and status monitoring, connect the communication cable one end to the USB/RS-232 port and the other to the communication port of your PC. With the monitoring software installed, you can schedule Solar Inverter shutdown/start-up and monitor Solar Inverter status through.

PWM
Solarix MP Series 1/2/3 kW solar inverters have built-in 50A PWM charger.

Configure AC/Solar Charger priority
Configurable AC/Solar Charger priority via LCD setting

Configurable battery charging current
Configurable battery charging current based on applications via LCD setting

Generator Function
Capability to generator power.

CE

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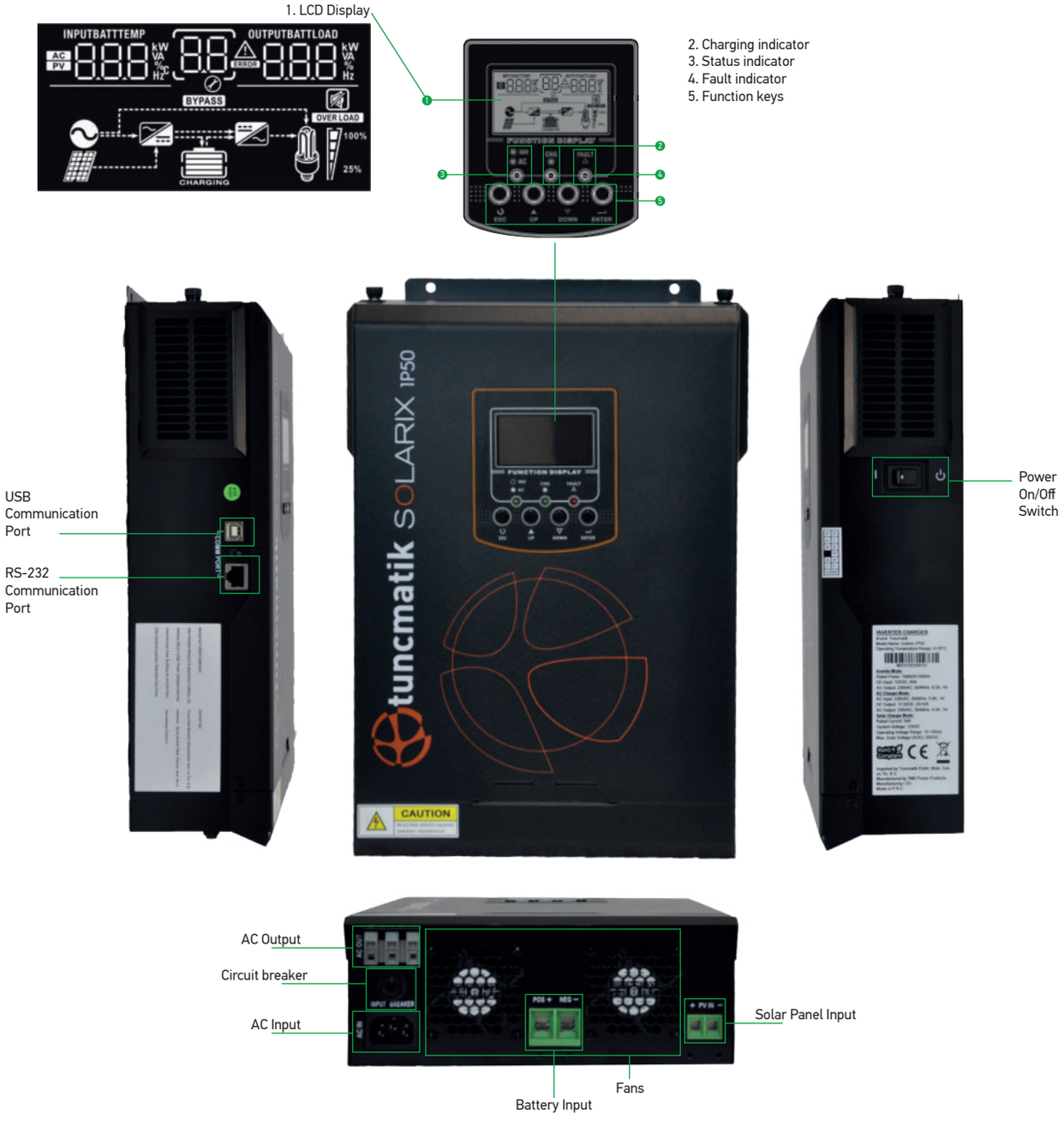
Product Overview (1-2P50)



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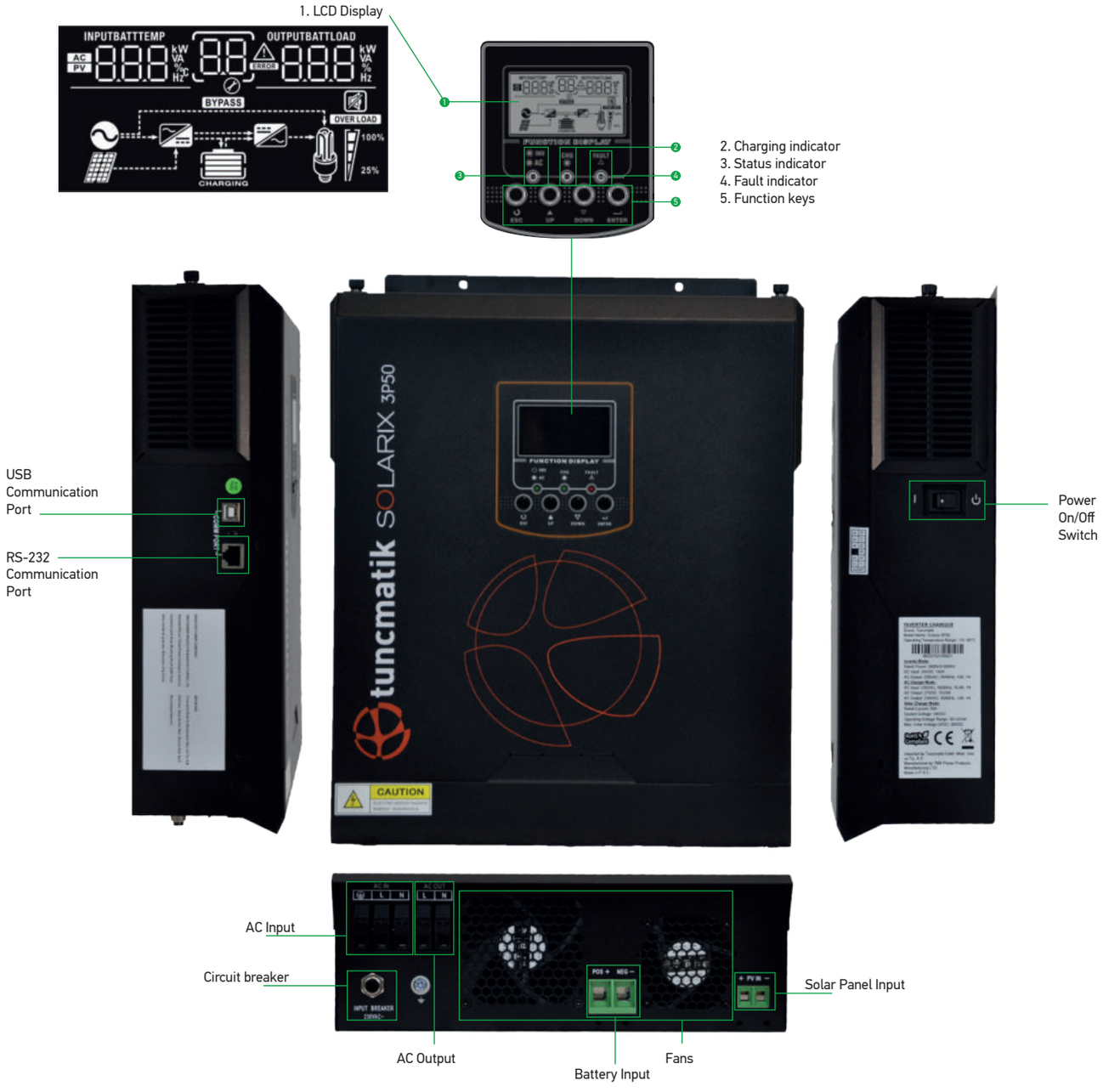
Product Overview (3P50)



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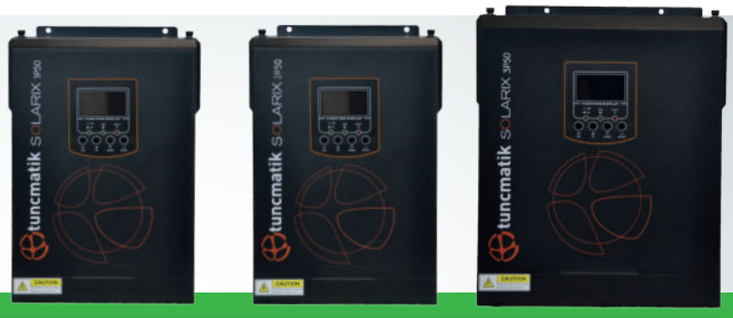

MODEL		Solarix - 1 P 50	Solarix - 2 P 50	Solarix - 3 P 50
Capacity(VA/W)		1000VA/1000W	2000VA/2000W	3000VA/3000W
INPUT (Line Mode)				
Nominal Voltage		230VAC		
Voltage Range		170-280Vac±7V (UPS) / 90-280Vac±7V (Appliances)		
Return Voltage Range		180-270Vac±7V (UPS) / 100-270Vac±7V (Appliances)		
Max AC Voltage		300Vac		
Nominal Frequency		50Hz / 60Hz (Auto detection)		
Frequency Range		40±1Hz - 65±1Hz		
Frequency Return Range		42±1Hz - 63±1Hz		
Voltage Waveform		Sinusoidal (utility or generator)		
INPUT (Inv Mode)				
Nominal DC Input Voltage		12Vdc	24Vdc	
Cold Start Voltage		11.5Vdc	23.0Vdc	
Low DC Cut-off Voltage	@ load < 50%	10.7Vdc	21.5Vdc	
	@ load ≥ 50%	10.5Vdc	21.0Vdc	
High DC Cut-off Voltage		16Vdc	31Vdc	33Vdc
No Load Power Consumption		<25W		
BATTERY				
Charging Algorithm		3 Step		
AC Charging Current (Max)		20A		25A
Floating Charging Voltage		13.5Vdc	27Vdc	
OUTPUT				
Voltage Regulation		230Vac±5%		
Frequency		50Hz		
Overload Protection (Inv Mode)		5s@≥150% load; 10s@105%~150% load		
Efficiency (Inv Mode)		Up to 93%		
Efficiency (Line Mode)		>95% (Rated R load, battery full charged)		
Transfer Time		10ms typical (UPS); 20ms typical (Appliances)		
Surge Capacity		2 x rated power for 5 seconds		
Short Circuit Protection		Circuit Breaker		
SYSTEM FEATURES				
Communication		USB/RS232		
PWM SOLAR CHARGE				
Max. PV Array Open Circuit Voltage		55Vdc	80Vdc	
Max PV Panel Power		600W	1200W	1200W
System DC Voltage		12Vdc	24Vdc	
DC Voltage Accuracy		+/-0.3%		
Operating Voltage Range		15~18Vdc	30~32Vdc	
Charging Current		50A		
Max Charging Current (AC charger plus solar charger)		50A		70A
ENVOROMENTAL				
Operating Temperature Range		-10°C to 50°C		
Storage temperature		-15°C~ 60°C		
Humidity		5% to 95% Relative Humidity (Non-condensing)		
DIMENSION & WEIGHT				
W x D x H (mm)		225 x 88 x 320		285 x 100 x 334
Weight (kg)		4.4	5	6.3
STANDARDS				
Safety Certification		CE		