

tuncmatik

SOLARTECH ONE 5 kVA

ONLINE UPS (1/1)



True double conversion online technology

Online UPS is the most suitable choice, especially for computers and other sensitive devices. This type of UPS completely isolates your sensitive devices from the mains and feeds your sensitive devices connected with the help of filters in the mains. As a result, all unwanted situations that may occur in the network are filtered by the online UPS and your sensitive devices are fed with pure power.

High output power factor (PF=1)

The UPS provides 43% extra power at the output compared to the standard UPS which are 0.7 power factor. That's why, it supports more electrical/electronics devices.

Pure sinewave output

Full compatibility with all kinds of electrical devices, the ideal solution for your medical and similar critical applications

Wide input voltage range (110-280 VAC)

Ability to work online even at very low and very high voltages without switching to the battery.

Input power factor correction (PF=0.99)

It does not impose an additional compensation load on your line. It saves on your electricity bills.

Intelligent charging technology for optimal battery performance

Since it charges the battery with a special charging technique, it extends the life of the battery, reduces your operating costs and provides 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 UPS such as overload, short circuit, low-high voltage and over-temperature in a timely manner, thus ensuring that the UPS has a stable and reliable structure.

Parallel function (optional)

Parallel operation in singe phase with up to 9 units. The maximum supported output power is 45kW/45kVA

Generator Function

Capability to generator power.



Ability to use solar power and directly connectable with solar panels. Built-in 80A MPPT solar charger, easy and fast charging ability by 60 A strong battery charge capacity

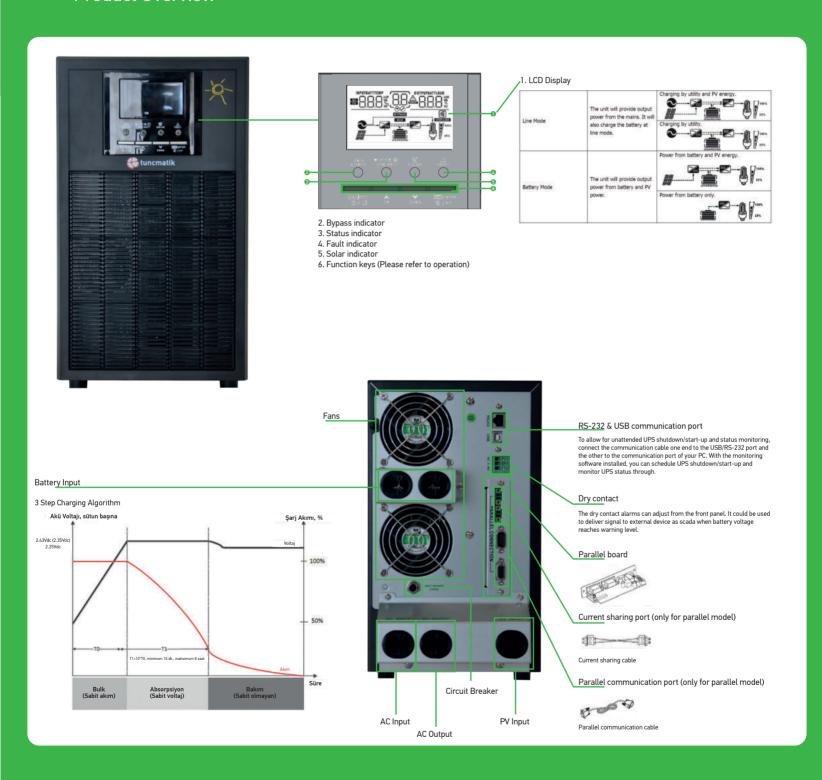




SOLAR UPS (1/1)



Product Overview





SOLAR UPS (1/1)

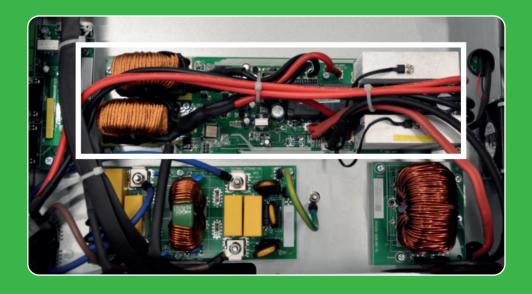


Source



MPPT Card

Solartech One 5kVA solar UPS can be supplied with Solar Panels thanks to its 4000W 80A MPPT charger. In places where there is no mains, you can supply your load with batteries and solar panels. Thanks to our advanced software, the supply source can be selected by specifying the Mains-Solar Panel-Battery (Standard). With its high MPPT efficiency, Solartech One has been ensured that the energy loss is minimal. Our 3-step special battery charging algorithm, which we apply as standard in our Solartech One product, for mains and battery supplying situations, is also available on MPPT. UPS batteries supplied by solar panels are charged with a 3-step algorithm thanks to the MPPT card.

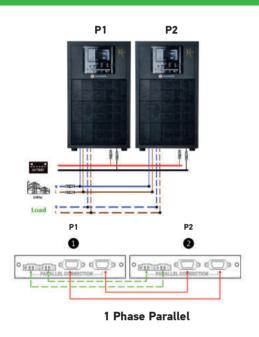


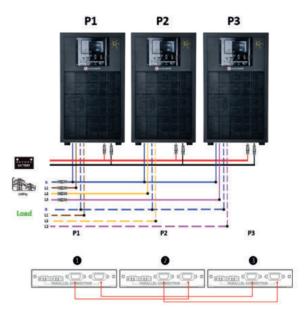


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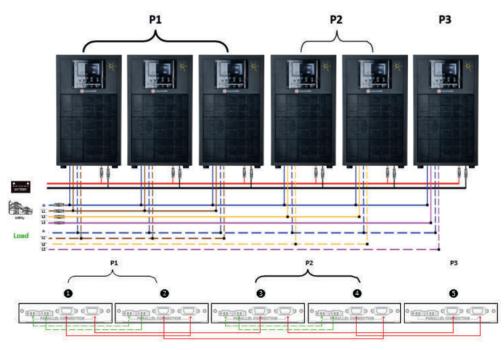
Paralel Operation





3 Phase Parallel (Balanced)

WARNING: Do not connect the current sharing cable between the UPS which are in different phases. Otherwise, it may damage the UPS.



3 Phase Parallel (Unbalanced)





CARACITY	5000 VA
CAPACITY	5000 W
INPUT	
Voltage range	110-280 VAC
Frequency range	For 50Hz system 46 Hz~54 Hz, For 60 Hz system 56 Hz~64 Hz
Phase	Single phase + Neutral + Earth
Power factor	≥ 0.9 , %100 load
OUTPUT	2 0.7 ₁ /0100 toda
Output Voltage	230 VAC
Output vollage Output power factor (PF)	1
AC voltage regulation	.005
(Battery mode)	±%5
Frequency Range (Synchronous mode)	For 50Hz system 46 Hz~54 Hz, For 60 Hz system 56 Hz~64 Hz
Frequency Range (Battery mode)	50 Hz or 60 Hz ± 0.1 Hz
Crest Factor	3:1 maks
Harmonic distortion	≤ %3 THD (linear load) ≤ %6 THD (non-linear load)
Transfer Line ← Battery Mode	0 msn
time Inverter ←→ By-pass	4 msn (typical)
Waveform (Battery mode)	Pure Sinewave
EFFICIENCY	
Line Mode	~ % 94
ECO Mode	~ % 99
Battery Mode	~ % 90
BATTERY	
Battery voltage	48 VDC
Battery charge voltage	54 VDC
Overload protection	66 VDC
Charge current	30A (Default) / 2-60A (Adjustable)
SOLAR CHARGING MODE (M	
Rated power	4000 W
Max. charging current	80 A
Efficiency	98% max. 145 Vdc
Max. PV array open circuit voltage	
PV array MPPT voltage range	60~115 Vdc
Battery voltage accuracy	±0.3% ±2V
PV voltage accuracy Charging algorithm	± 2 V 3-Step
JOINT UTILITY & SOLAR CHA	
Max. charging current Default charging current	140 A 30 A
INDICATORS	JU A
	UPS status, Load level, Battery Level, Input/Output voltage, Discharge counter, Error status
LCD Display Alarm	Line failure, Low battery, Overload, System fault
DIMENSIONS & WEIGHT	Ellic lattare, com sattery, overload, system latta
D x W x H (mm)	465x190x336
Weight (kg)	16
ENVIRONMENTAL	
Operation temperature	-10 - 50°C
Humidity	%0-95 relative humidity (non-condensing)
Noise level	<60dBA, From 1 meter
SOFTWARE & MANAGEMENT	
RJ45 compatible RS232 input	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7/8, Linux, MAC
or USB	**************************************