

SERIES

10-300 kVA

10-300 kVA

1-10

kVA































- Rectifier and Inverter Technology
- Ultra High Energy Efficiency
- Full Rated Power Factor kW=kVA
- Marine Filter System

New Generation IGBT Technology

• The new generation IGBT technology has high efficiency in the fully controlled uninterruptible power supply class.













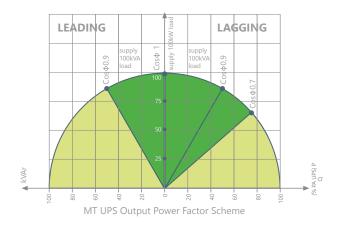
ONLINE UPS

High Efficiency & Low Total Cost of Ownership

- Less energy consumption to supply the loads thanks to high efficiency up to 96%.
- Reduced energy loss.
- Reduced electricity usage and air conditioning requirements.
- Reduction in operating cost of UPS.
- IGBT based power factor correction technology provides input power factor close to 1 (≥ 0,99). The high input power leads to reduced electricity pay-out, minimizes cable, switchboard, fuse and generator requirements, thus reducing investment cost.
- Low input current total harmonic distortion (THDi) less than 3% helps to avoid the disturbance and expensive harmonic filters.
- Small footprint and easy maintenance.

High Output Power Factor 1

- Output power factor of 1 (kVA=kW) rate provides up to 25% more active power than a traditional UPS.
- Suitable for modern power supply application with unit or capacitive power factor (e.g. new servers generation).
- No reduction in active power from 0,9 leading to 0,9 lagging.



Maximum Availability

- Parallel configuration up to 8 units per redundancy (N+1) and power increase.
- Loop connection helps the UPS system to continue the operation when the connection cable is inturrupted.

Standard Electrical Features

- Parallel-Redundant (N+X) Systems
- Co-Aging
- Dual Input
- Common Battery
- Backfeed Protection
- Cold Start (Optional)
- Advanced Battery Management
- Short Circuit and Overload Protection
- Parallel Ready
- Redundant Power Supply
- Power Walk-in for Progressive Rectifier Start-up when the Mains is Restored
- Battery Temperature Sensor
- Static and Manual Bypass Operation
- Co-Aging
- Smart Paralleling

Advanced Communication Features

- 2000 Real Time Event Log with Detailed Parameters (Three Phase Devices)
- User Friendly Multilingual Graphic Display Provides Operation Information
- Monitoring and Shutdown Software
- RS232 Serial and RS485 Ports
- 2 Communication Slots
- ModBUS RTU / ModBUS TCP (Optional)
- Remote Emergency Power Off (Optional)
- Remote Display Panel (Optional)
- Dry Contact (Optional)
- SNMP (Optional)

Flexibility

- MT-UPS Series provides maximum flexibility advantage for all applications. It can be configured in a variety of features with available options and accessories.
- Custom input voltage range.
- It can be used in capacitive loads such as blade server etc. thanks to its flexible configuration with existing options and accessories.
- Temperature sensor for external battery cabinets.
- External battery cabinets for different sizes of batteries.
- 3/1 phase version in 10-30kVA models.
- Galvanic isolation.
- Compatible version with EN 50171 for supplying power to emergency lighting systems.
- Leak Detection (Optional)





		10 - 300 kVA									
INPUT											
Nominal Voltage		380/400/415 VAC 3P+PE -20% +15%									
Voltage with Externa	al Transformer	208-690 VAC 3P+PE -20% +15% (Optional)									
Frequency Tolerance		50 / 60 Hz ±10% (Selectable)									
Power Factor		50 / 60 Hz ± IU% (Selectable) >0.99									
Total Harmonic Distortion (THDi)		<3%									
OUTPUT	ortion (ITIDI)	\570									
Power Factor		0.9 (1 Optional)									
		0.9 (1 Optional)									
Nominal Voltage Voltage with External Transformer		3:3 380/400/415 VAC 3P+PE 3:1 115/230 VAC 2P+PE									
Voltage with External Transformer		208-690 VAC 3P+PE (Optional)									
Frequency Tolerance		50 / 60 Hz ±0,01% (Battery Mode)									
Output THD		<1% (Linear Load) / <3% (Non-Linear Load)									
Crest Factor		3:1									
Overload Capacity*		At 125% Load 10min, At 150% Load 1min									
Efficiency (Online Mode)		94%									
Efficiency (Eco Mode)		99%									
BYPASS											
Nominal Voltage		380/400/415 VAC 3P+PE									
Voltage Tolerance		%15 (Configurable from 10% to 30%)									
Frequency Tolerance	e	±5 (Selectable)									
BATTERY											
Туре		VRLA / GEL									
Quantity (12V DC VRLA)		60 / 62									
Charge Rate		25% of Active Power									
Recharge Time		6-8 saat									
ENVIRONMENTAL											
Operating Temperature		For UPS 0°C/+40°C For Battery +15°C/+25°C									
Storage Temperature		For UPS -15°C/+45°C For Battery 0°C/+30°C									
Protection Class		IP20 (IP Optional)									
Humidity		0-95% (Without Condensation)									
Altitude		<1000m: Correction Factor 1, <2000m: Correction Factor >0.92, <3000m: Correction Factor >0.84									
Noise Level		<53dBA <55dBA <60dBA <65dBA									
COMMUNICATION											
Communication Por	t	RS232 Standart, RS485, Mod-BUS, J-Bus, Web, Tel-Net, GPRS, CAN-Bus, SNMP (Optional), Dry Contact									
STANDARDS											
Quality		ISO 9001, ISO 14001, ISO 45001, CE, TSE, TSE-HYB									
Performance		EN62040-3 (VFI-SS-111, Bureau Veritas Certified)									
EMC/LVD		EN62040-2, EN62040-1, EN60950 (TÜV SÜD Certified)									
Marine Certificate		Optional									
DIMENSIONS & WE	IGHT	<u></u>									
Cabinet Dimensions (mm)	Width										
	Depth										
	Height										
Net Weight (kg)	Tiergrit	For Dimensions									
Width		You can communicate.									
Packaging	Depth										
Dimensions (mm)	Height										
Gross Woight (kg)	rieigiit										
Gross Weight (kg)											

^{*} under certain conditions.

Seapower reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Seapower products previously or subsequently sold. Seapower does not guarantee the items of the accuracy and completeness. Dimensions may vary according to IP protection classes.

³ Phase in / 1 Phase Out Version is Available. (10 to 30kVA)





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								- IU KV	Α			
INPUT												
Related Voltage	115V / 208V / 220V / 230V / 240 VAC 2P+PE											
Voltage Range		-20% /+15%										
Frequency	40 ~ 70 Hz (Auto Sensing)											
Power Factor	≥ 0.99											
Bypass Voltage Range	-25% ~ +15% (Seectable)											
Generator	Compatible											
OUTPUT								<u> </u>				
Voltage Range	115V / 208V / 220V / 230V / 240 VAC 2P+PE											
Voltage Regulation	±1%											
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (Synchronized Range); 50 / 60 Hz ±0.1 Hz (Battery Mode)											
Waveform	Sinusoidal											
Crest Factor	3:1											
Harmonic Distortion	<2% (Linear Load) / <5% (Non-Linear Load)											
	Mains Mode - Battery Mode: Oms											
Transfer Time	Inverter Mode - Bypass Mode: 4ms (Tipik)											
	105% ~ 125%: Transfer to Bypass in 1min											
Overload Capacity	125% ~ 150%: Transfer to Bypass in 30s >150%: Transfer to Bypass in 300ms											
EFFICIENCY						>130	/0. ITALISI	ет то вура	155 111 30011	15		
Online Mode		≥90%		Ι	≥91% ≥9					≥92%	≥91%	
ECO Mode		≥95%		≥96%			≥92%			≥98%	≥98%	
BATTERIES	≥95% ≥96% ≥97% ≥98% ≥98%										23070	
DC Voltage	24V	36V	36V	48V	72V	72V	72V	96V	96V	192V - 240V	192V-240V	
Inbuilt Battery	2 x 7Ah		Harici		6 x 7Ah	Harici		8 x 7Ah	Harici	16/20 x 7/9Ah	16/20 x 7/9Ah	
· · · · · · · · · · · · · · · · · · ·			6A			6A		-	6A		· · · · · · · · · · · · · · · · · · ·	
Charging Current (Max.)	1A 6A 1A 6A 1A 6A 3,5A 3,5A 8h											
Recharge Time SYSTEM FEATURES								011				
							Intalligan	+ Charain	a Custom			
Charge Current	Intelligent Charging System											
Intelligent Alarm System LED&LCD Screen	Compatible											
								Compatibl	e			
ALARM) / /	_			
Utility Failure	Beep / 4sec											
Low Battery	Beep / 1sec											
Overload	Beep Twice / 1sec											
UPS Fault								Long Bee)			
ENVIRONMENTAL							IDO	2 (ID O 1:	IX.			
Protection Class	IP20 (IP Optional)											
Operating Temperature	0 ~ 40°C 0 ~ 90% (Non-Condensing)											
Relative Humidity					.= != !!		0 ~ 90%	(Non-Cor	ndensing)		T == == # ;	
Noise Level	≤45 dB (1m) ≤50 dB (1m) ≤55-60 dB (1m)											
COMMUNICATION												
RS232 (Standard) / USB (Optional)	Supports Windows® 98/2000/2003/XP/Vista/2008/Windows® 7/8/10											
SNMP (Optional)	Power Management from SNMP Manager and Web Browser											
Dry Contact							9 Al	arm Outp	ut			
STANDARDS												
			CE LVD									
Security EMC								CE EMC				

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Since the dimensions/weights of our products vary according to IP classes and battery feeding times, request product size.