

We will find a product or make a new one

STANDALONE UPS
PMLT SERIES (1/1)



This 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 line are filtered by the online UPS and your sensitive devices are fed with pure power.

Long type (Without Battery) 1/2/3/6/10 kVA

MODEL		1 kVA	2 kVA	3 kVA	6 kVA	10 kVA
Phase		Single phase + earth				
Capacity (VA/Watts)		1000VA / 1000W	2000VA / 2000W	3000VA / 3000W	6000VA/6000W	10000VA/10000W
INPUT						
Nominal voltage		200/208/220/230/240VAC			208/220/230/240VAC	
Voltage Range	Low voltage transfer	160Vac±5% @100%-80% load; 140Vac±5% @80%-70% load; 120Vac±5% @70%-60% load; 110Vac±5% @60%-0% load; ($<35^{\circ}\text{C}$)			120~276Vac	
	Under voltage correction	175Vac±5% @100%-80% load; 155Vac±5% @80%-70% load; 135Vac±5% @70%-60% load; 125Vac±5% @60%-0% load; ($<35^{\circ}\text{C}$)				
	High voltage transfer	300Vac ±5%				
	High voltage correction	290Vac ±5%			276Vac ±5%	
	Frequency range		40-70Hz			45-65Hz
Power Factor		0.990 @100% load (Nominal input voltage)				
Feeding From Generator		Yes				
OUTPUT						
Output voltage		200/208/220/230/240Vac			208/220/230/240Vac	
Power Factor		1			1	
Voltage Regulation		±1% (Battery Mode)				
Frequency Range	Line Mode (synchronized)	47-53Hz veya 57-63Hz				
	Battery Mode	(50/60±0.1)Hz				
Crest Factor		3:1				
Harmonic Distortion (THDv)		≤3% THD linear load ≤6% THD non-linear load			≤2% THD linear load ≤5% THD non-linear load	
Waveflow		Pure Sinewave				
Transfer Time	AC mode <-> Bat. mode	Zero				
	Inverter <-> bypass	4ms (Typical)				
Efficiency		>88% (AC mode) >83% (DC mode)	>89% (AC mode) >87% (DC mode)	>90% (AC mode) >88% (DC mode)	>90% (AC mode) >88% (DC mode)	
BATTERY						
Battery Quantity		2	4	6	16/18/20 pcs adjustable	
Charge Voltage		27.4 VDC ±1%	54.7 VDC ±1%	82.1 VDC ±1%	219/246/274 Vdc ±1%	
Charge Current		12A	12A	12A	6A	6A
SYSTEM FEATURES						
Overload	Line Mode	Ambient temperature.<35°C 105%~110%: Load 10 minutes later transfers the load to the bypass. 110%~130%: Load 1 minutes later transfers the load to the bypass. >130%: Load 3 seconds later transfers the load to the bypass.				
	Bypass Mode	8A(Input Fuse)	16A(Input Fuse)	25A(Input Fuse)	50A(Input Fuse)	100A(Input Fuse)
Protection		IP20				
EPO (Optional)		UPS shuts down				
Audio & Visual Alarms		Line failure, Battery low, Overload, System fault				
Communication Interface		USB(or RS232), SNMP adapter(optional), Relay board (optional)				
ENVIRONMENTAL						
Operation Temperature		0°C ~40°C				
Storage Temperature		-25°C ~55°C				
Humidity		20-90 RH @ 0- 40°C (non-condensing)				
Altitude		< 1500m				
Noise Level		< 50dBA 1 from meter			< 55dBA 1 from meter	
DIMENSION & WEIGHT						
DxWxH (mm)		293*144*209	399*144*209	399*144*209	355*191*330	415*191*330
Weight (kg)		4.2	6.3	6.5	10	12
STANDARDS						
Safety		EC/EN62040-1,IEC/EN60950-1			IEC62040-1, GB4943	
Electro Magnetic Compatibility		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			IEC62040-2, IEC60664-1 1.2/50uS+8/20uS 6kV/3kA karşılana	



Standard Model With Internal Battery

1/2/3 KVA

MODEL		1K(L)	2K(L)	3K(L)
Capacity (VA/W)		1000VA / 1000W	2000VA / 2000W	3000VA / 3000W
INPUT				
Nominal Voltage		200 / 208 / 220 / 230 / 240 VAC		
Voltage Range	Low Line Transfer	160VAC ±5% @ 100% - 80% load, 140VAC ±5% @ 80% - 70% load, 120VAC ±5% @ 70% - 60% load, 110VAC ±5% @ 60% - 0 (<35°C)		
	High Line Transfer	300VAC ±5%		
Frequency Range		40Hz ~ 70 Hz		
Phase		Single phase with ground		
Power Factor		≥0.99 @ nominal voltage (input voltage)		
THDi		220-230VAC'da ≤%5		
OUTPUT				
Output voltage		200 / 208 / 220 / 230 / 240 VAC		
Power Factor		1		
AC Voltage Regulation		±1% (Bat. Mode)		
Frequency Range	Synchronized Mode	47 ~ 53 Hz or 57 ~ 63 Hz		
	Battery Mode	50 Hz ±0.25 Hz or 60 Hz ±0.3 Hz		
Overload		%105 - %110: UPS shuts down after 10min , %110 - %130: UPS shuts down after 1min , >%130: UPS shuts down after 3sec (<35°C)		
Crest Ratio		3:1		
Transfer Time		≤%2 (linear load), ≤%4 (non-linear load)		
Transfer Time	Line <-> Bat. Mode	0ms		
	Inverter <-> Bypass	4ms (Typical)		
Waveform		Pure Sinewave		
EFFICIENCY				
AC Mode		92%	93%	94%
Battery Mode		86%	87%	91%
BATTERY				
Standard Model	Battery Type	12V 9AH	12V 9AH	12V9AH
	Bttery Numbers	2	4	6
	Recharge Time	4 hours recover to 90% capacity (Typical)		
	Charging Current	1.5A (Max)		
	Charging Voltage	27.4VDC ±%1	82.1VDC ±%1	
Long Run Model	Battery Numbers	2	4	6
	Charging Current	1.0A / 2.0A / 4.0A / 6.0A / 8.0A		
	Charging Voltage	27.4 VDC ±%1	54.7 VDC ±%1	82.1 VDC ±%1
DIMENSIONS & WEIGHT				
Standard Model	D x W x H (mm)	145 x 282 x 220	145 x 397 x 220	190 x 421 x 318
	Weight (kg)	9.8	17	26.2
Long Run Model	D x W x H (mm)	145 x 282 x 220	190 x 421 x318	
	Weight (kg)	4.1	12	14.2
ENVIRONMENTAL				
Operating Temperature		0 - 50°C		
Humidity		%20-90 (non-condensing)		
Noise Level		<50dBA @ 1 meter		
MANAGEMENT				
Smart RS232 or USB		Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix and MAC		
SNMP (Optional)		Power management from SNMP manager and web browser		



Standard Model With Internal Battery

6/10 KVA

MODEL		6 kVA	10 kVA
Capacity* (VA/W)		6000 VA / 6000 W	10000 VA / 10000 W
INPUT			
Nominal Voltage		208 / 220 / 230 / 240 VAC	
Voltage Range	High Voltage Transfrer	At %100-%60 load 176VAC ±%5, at %60-%0 load 110VAC ±%3	
	Low Volage Transfrer	300VAC ±%3	
Frequency Range		At 50Hz system 46Hz ~ 54 Hz, At 60Hz system 56Hz ~ 64 Hz	
Phase		Single phase with ground	
Power Factor		≥ 0.99 (@ 100% load)	
OUTPUT			
Output Voltage		208 / 220 / 230 / 240 VAC	
Poer Factor (PF)		1	
AC Voltage Regulation		±1%	
Frequency Range	Synchronized Mode	At 50Hz system 46Hz ~ 54 Hz, At 60Hz system 56Hz ~ 64 Hz	
	Battery Mode	50 Hz ±0.1 Hz veya 60 Hz ±0.1 Hz	
Overload	AC Mode	At 100-110% load 60min, At 110 - 125% load 10min, at 125 - 150% load 1min, at >150% load immediately	
	Battery Mode	At 100 - 110% load 3min, at 110 - 130% load 30sec, at >130% load immediately	
Crest Factor		3:1	
Harmonic Distortion		≤%1 (linear load), ≤%4 (non linear load)	
Transfer Time	Line <-> Battery Mode	0ms	
	Inverter <-> Bypass	0ms	
	Inverter <-> ECO	<10ms (Typical))	
Waveform		Pure Sinewave	
EFFICIENCY			
AC Mode		94%	
Battery Mode		92%	
Battery Model			
Battery Type		12V 7AH	12V 9AH
Numbers of Battery		16	16
Recharge Time		7 hours to recover 90% capacity	9 hours to recover 90% capacity
Charging Current		1 A ±%10 (Max.)	
Charging Voltage		218.4VDC ±%1	218.4VDC ±%1
DIMENSIONS & WEIGHT			
W x D x H (mm)		190 x 367 x 635	190 x 439 x 635
Weight (kg)		58	79
ENVIRONMENTAL			
Operating Temperature		0 - 40°C	
Humidity		<%95 (non condensing)	
Altitude**		<1000 m	
Noise Level		<55dBA (@ 1 meter)	<58dBA (@ 1 meter)
SOFTWARE & MANAGEMENT			
Smart RS232 or USB		Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix ve MAC	
SNMP (Optional)		Power management from SNMP manager and web browser	

