

## PRIME SERIES

Uninterruptible Power Supplies

### DSP CONTROL

Prime series UPS, are single phase in/single phase out, Intelligent Power Module technology based, high input power factor, low THDI and DSP controlled.



#### General Specifications

- Large Blue LCD display interface in English, user-friendly
- Rack - Tower convertible
- With ECO economic operation mode can be highly efficient energy-saving, reduce user costs
- Double -conversion online design, so that the output of the frequency UPS tracking, lock-in voltage regulator filter noise low distortion, without interfering, with the pure sine wave power supply fluctuations.
- Advanced Digital Signal Processing (DSP) microprocessor technology to ensure the consistency and reliability of UPS.

# Reliable Power

### Technical Specifications

MODEL	1-10kVA									
	1CRT	1CRT-XL	2CRT	2CRT-XL	3CRT	3CRT-XL	6CRT	6CRT-XL	10CRT	10CRT-XL
Capacity	1kVA/800W		2kVA/1600W		3kVA/2400W		6kVA/4800W		10kVA/8000W	
Nominal voltage	220 VAC 1P + N + E									
Nominal frequency	50Hz. / 60Hz.									
<b>INPUT</b>										
Voltage range	115 VAC ~ 300 VAC						120 VAC ~ 275 VAC			
Frequency range	50Hz.(46Hz. ~ 54Hz);60Hz.(56Hz.~64Hz.)									
Power factor	> 0.98									
<b>OUTPUT</b>										
Nominal voltage	220 VAC									
Voltage precision	± 2%									
Frequency precision	50Hz. / 60Hz. ± 0.2Hz									
Power factor	0.8									
Harmonic distortion	Linear load < 3% Non-linear load < 6%									
Overload capacity	108% < load ≤ 150% 25s; 150% < load < 200% 300ms ; bypass transfer						105% < yük ≤ 125% 60s; 125% < yük ≤ 135% 30s bypass transfer			
Current crest ratio	3:1									
Transfer time	0 ms (AC mode ↔ DC mode);(AC mode ↔ Bypass<4ms)									
<b>BATTERY</b>										
DC voltage	36 VDC		72 VDC		96 VDC		192 VDC			
Recharge time	5 hours to 90% (it means standard model which battery inside UPS)									
Charging current	1A	4A/8A (optional)	1A	4A/8A (optional)	1A	4A/8A (optional)	2A	4A	2A	4A
<b>PANEL DISPLAY</b>										
LCD	UPS status, input/output voltage and frequency, battery voltage, capacity, load temperature, history records, adjust Voltage, ECO mode									
<b>COMMUNICATION</b>										
Communication port	RS232, SNMP Card (optional), USB port (optional)									
<b>WORKING ENVIRONMENT</b>										
Temperature	0°C ~ 40°C									
Relative humidity	0 - 95% (non-condensing)									
Storage temperature	-25°C ~ 55°C									
Elevation	1500m									
Noise level	< 45 dBA					< 50 dBA				
<b>PHYSICAL</b>										
Net weight (kg)	16.5	9.5	22	11.5	26	12.5	20.5		24	
Dimension (mm) HxWxD	(2U)450x482x89		(3U)600x482x134		(2U)450x482x89		(3U)600x482x134		(2U)450x482x89	