

# PLUTON Series

## 60~600kVA Modular UPS



### Power range

60~600kVA



### Operation

3P/3P, Online double conversion



### Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.



### Characteristics

- Fully digital control, flexible and robust.
- 7 & 10 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history record storage space.
- Maximum system capacity up to 1.8MVA, the best solution for mega data center.



Model	AC240/60	AC300/60	AC480/60	AC600/60	
Rate Power	240kVA	300kVA	480kVA	600kVA	
Main input	Input 3P5W (3P+N+PE)				
	Rate Voltage 380/400/415VAC(L-L); 220/230/240VAC(L-N)				
	Rate Freq. 50/60Hz				
	Input PF >0.99				
	Current distortion THDi<3%(100% Linear load)				
	Voltage range 304 ~ 478VAC(L-L)full load; 304 ~ 228VAC (L-L) power derate from 100% to 75%				
	Freq. range 40-70Hz				
Battery	Rate voltage ±240VDC				
	Charging capacity 20%*Pout				
	Charging accuracy ±1%				
Bypass	Rate voltage 380/400/415VAC(L-L)220/230/240VAC(L-N)				
	Voltage range Range: -40%- +25% , Settable, default -20% ~ +15%;				
	Overload	125%, long time operation 125%< load <130%, 10mins 130%<load <150%, 1min >150%,300ms	110%, long time operation 110%< load<125%, 5 mins 125%<load<150%, 1 min >150%,1 second		
Inverter	Rate voltage 380/400/415VAC(L-L); 220/230/240VAC(L-N)				
	Rate Freq. 50/60Hz				
	Output PF 1				
	Voltage accuracy ±1.0%				
	Load response <5% (20% - 80% -20% step load)				
	Recovery time < 20ms (0% - 100% -0% step load)				
	Output THDu <1%(linear load),<5% (non-linear load according to IEC 62040-3)				
	Overload 110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms				
	Frequency accuracy 0.1%				
	Synchronize window Settable, ±0.5Hz-±5Hz, default ±3Hz				
	Slew rate Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S				
	Crest factor 3:1				
	Phase Accuracy 120°±0.5°				
	System	Efficiency Normal Mode up to 96%; Battery Mode up to 96%			
		Display	LED + 7 inch touch LCD	LED + 10 inch touch LCD	
Certification- Safety IEC62040-1, IEC60950-1					
Certification- EMS IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)					
IP degree IP20					
Configuration USB, RS232, RS485, Dry contact, Cold start, Air filter					
Option SNMP card、AS400 card、Parallel kit、SPD、LBS					
Environment 0-40℃ (operation); -25℃~70℃ (storage); 0-95% (Humidity, non-condensing )					
Noise(dB)(1 meter) 72dB @ 100% load, 69dB @ 45% load					
Dimension		Cabinet(W*D*H)mm	600*1000*1600	600*1000*2000	1200*1000*2000
	Module(W*D*H)mm	442*659*174			
Weight(kg)	Cabinet	185	248	350	
	Module	41			
Power Module rated capacity		60KW			

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