PLUTON Series

62.5~2000kVA Modular UPS

Power range

62.5~2000kVA

Operation

3P/3P,Online double conversion

Applications

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

Characteristics

- Fully digital control, flexible and robust.

- 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 2.0MVA, the best solution for mega data center.

Model	AC500	AC1000	AC1500	AC2000
Rate Power	500kVA	1000kVA	1500kVA	2000kVA

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	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 + 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	1200*1000*2000	2000*1000*2000	2800*1000*2000	3600*1000*2000
	Module(W*D*H)mm	442*659*174	
Weight(kg)	Cabinet	350	600	850	1100
	Module	41	
Power Module rated capacity		62.5KW	