

PLUTON Series

50~600kVA Modular UPS



Power range

50~600kVA

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.
- Supports battery connection without Neutral.
- Minimal footprint, standard width of 600mm, depth of all models only 750mm.



Model	AC200/50A	AC300/50A	AC500/50A	AC600/50A
Rate Power	200kVA	300kVA	500kVA	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<2%(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	3 wires: \pm 240VDC / 2 wires: 480VDC		
	Charging capacity	20%*Pout		
	Charging accuracy	\pm 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	\pm 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, \pm 0.5Hz- \pm 5Hz, default \pm 3Hz		
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S		
	Crest factor	3:1		
	Phase Accuracy	120 $^{\circ}$ \pm 0.5 $^{\circ}$		
	System	Efficiency	Normal Mode > 96.5%; Battery Mode > 96.5%	
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、Top air outlet		
Environment		0-40 $^{\circ}$ C(operation); -25 $^{\circ}$ C~70 $^{\circ}$ C(storage); 0-95% (Humidity, non-condensing)		
Noise(dB)(1 meter)		72dB @ 100% load, 69dB @ 45% load		
Dimension		Cabinet(W*D*H)mm	600*750*1600	600*750*2000
	Module(W*D*H)mm	440*475*140		
Weight(kg)	Cabinet	170	220	450
	Module	23		
Power Module rated capacity	50KW			