

PLUTON Series

10~120kVA Modular UPS



Power range

10~120kVA

Operation

3P/3P,3P/1P,1P/1P,Online double conversion

Applications

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

Characteristics

- Mounted in 19 inch rack, or stand alone.
- 7 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Extreme high power density,20kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.



Model	2-Slot Cabinet			4-Slot Cabinet			6-Slot Cabinet			
	AC020/10	AC030/15	AC040/20	AC040/10	AC060/15	AC080/20	AC060/10	AC090/15	AC120/20	
Rate Power	20kVA	30kVA	40kVA	40kVA	60kVA	80kVA	60kVA	90kVA	120kVA	
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								
	Phase Accuracy	120°±0.5°								
	System	Efficiency	Normal Mode up to 95.5%; Battery Mode up to 95.5%							
Display		LED + 7 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								
Option		SNMP card, AS400 card, Parallel kit, LBS, Air filter, Bottom entry kit								
Environment		0-40°C (operation); -25°C~70°C(storage); 0-95% (Humidity, non-condensing)								
Noise(dB)(1 meter)		65dB @ 100% load, 62dB @ 45% load								
Dimension		cabinet(W*D*H)mm	482*700*396 (9U , wheels not included)			482*700*662(15U , wheels not included)			482*700*840(19U , wheels not included)	
	module(W*D*H)mm	440*555*85 (2U)								
Weight(kg)	Cabinet	55			92			94		
	Module	17								
Power Module rated capacity	10KW	15KW	20KW	10KW	15KW	20KW	10KW	15KW	20KW	

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