

PRM PLUS Series

25~180kVA 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, 30kW in 2U, friendly for space and maintenance.



Option of 30A charger module for long backup applications.



Model		PRM PLUS100/25	PRM PLUS120/30	PRM PLUS150/25	PRM PLUS180/30
Rate Power		100kVA/100kW	120kVA/120kW	150kVA/150kW	180kVA/180kW
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 (operation) -25 ~70 (storage) 0-95% (Humidity, non-condensing)			
	Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load			
Dimention	cabinet(W*D*H)mm	482*816*796 (18U wheels not included)		482*816*1018(23U wheels not included)	
	module(W*D*H)mm	440*678*85 (2U)			
Weight(kg)	Cabinet	113		132	
	Module	23			
Power Module rated capacity		25KW	30KW	25KW	30KW



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