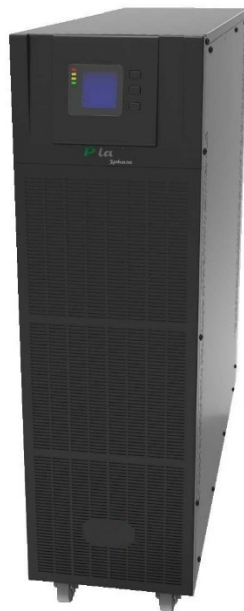


PLA-FC

THREE PHASE

frequency converters
10-350KVA

TECHNICAL DATASHEET



MODEL		PLA10-FC	PLA15-FC	PLA20-FC	PLA30-FC	PLA40-FC	PLA60-FC
INPUT	Power	10KVA 9KW	15KVA 13.5KW	20KVA 18KW	30KVA 27KW	40KVA 36KW	60KVA 54KW
	No. of phases	3 phase 4 wires + PE					
	Rated voltage	380/400/415Vac *					
	Voltage interval	208~478Vac					
	Frequency range	45-55Hz at 50Hz / 56-66Hz at 60Hz (auto setting)					
	Power factor	≥0.99					
	THDi current	≤2% (100% non-linear load)					
	Input generator	Supported					
OUTPUT	No. of phases	3 phase 4 wires + PE					
	Rated voltage	380/400/415Vac *					
	Power factor	0.9					
	Voltage accuracy	±1%					
	Frequency	50/60 Hz ±1% of rated frequency					
	Crest factor	3:1					
	THD	≤1% with linear load ≤3% with non-linear load					
Efficiency (standard mode)		≥96,5%	≥97,5%				
PROTECTION	overload	Load ≤110%: 60min , ≤125%:10' ≤150%: 1' ≥150% immediate disconnection					
	Short circuit	Yes					
	Overtemperature	Immediate switch off					
	Self-test	When circuit switched on and by software					
	EPO (optional)	Immediate switch off					
	Noise suppression	According to EN62040-2					
Alarms	Acoustic and led	Input off, overload, fault					
Display	LED and LCD	Line mode, overload, fault					
	LCD display	Input voltage, input frequency, output voltage, output frequency, load %, internal temperature					
Communication interface		USB, RS485, Parallel (optional), dry contacts, intelligent slot, SNMP card (optional), relay card (optional)					
Environment	Ambient temperature	0°C~40°C					
	Warehouse temperature	-25°C~55°C					
	Humidity	0~95% non-condensing					
	Altitude	< 1500m.; >1500m derating applies					
	Noise level	< 55dB				< 58dB	< 55dB
Other	Dimensions (P×L×H)	828x250x868					2 x 828x250x868
	weight (Kg)	42	45	45	71	73	2 x 71
	Units	1					2
Standards applied		CE, EN/IEC 62040-3,EN/IEC 62040-1-1					

* Different input/output voltages available on request. Item code will be PLAXxFC-yyyy where yyyy represents voltage combination
e.g. 190V+N (3x110V) or 200V+N (3x115V) or 220V+N (3x127V) or others on request

MODEL		PLA80-FC	PLA100-FC **	PLA120-FC	PLA160-FC	PLA180-FC	PLA200-FC
INPUT	Power	80KVA 72KW	100KVA 90KW	120KVA 108KW	160KVA 144KW	180KVA 162KW	200KVA 180KW
	No. of phases	3 phase 4 wires + PE					
	Rated voltage	380/400/415Vac *					
	Voltage interval	208~478Vac					
	Frequency range	45-55Hz at 50Hz / 56-66Hz at 60Hz (auto setting)					
	Power factor	≥0.99					
	THDi current	≤2% (100% non-linear load)					
	Input generator	Supported					
OUTPUT	No. of phases	3 phase 4 wires + PE					
	Rated voltage	380/400/415Vac *					
	Power factor	0.9					
	Voltage accuracy	±1%					
	Frequency	50/60 Hz ±1% of rated frequency					
	Crest factor	3:1					
	THD	≤1% with linear load ≤3% with non-linear load					
Efficiency (standard mode)		≥97,5%					
PROTECTION	overload	Load ≤110%: 60min , ≤125%:10' ≤150%: 1' ≥150% immediate disconnection					
	Short circuit	Yes					
	Overtemperature	Immediate switch off					
	Self-test	When circuit switched on and by software					
	EPO (optional)	Immediate switch off					
	Noise suppression	According to EN62040-2					
Alarms	Acoustic and led	Input off, overload, fault					
Display	LED and LCD	Line mode, overload, fault					
	LCD display	Input voltage, input frequency, output voltage, output frequency, load %, internal temperature					
Communication interface		USB, RS485, Parallel (optional), dry contacts, intelligent slot, SNMP card (optional), relay card (optional)					
Environment	Ambient temperature	0°C~40°C					
	Warehouse temperature	-25°C~55°C					
	Humidity	0~95% non-condensing					
	Altitude	< 1500m.; >1500m derating applies					
	Noise level	< 58dB	< 55dB	< 58dB			
Other	Dimensions (P×L×H)	828x360x868	2x 828x250x868		2 x 828x360x868		
	weight (Kg)	2 x 73	3 x 71	123	246		
	Units	1	2		2		
Standards applied		CE, EN/IEC 62040-3,EN/IEC 62040-1-1					

* Different input/output voltages available on request. Item code will be PLAXxFC-yyyy where yyyy represents voltage combination e.g. 190V+N (3x110V) or 200V+N (3x115V) or 220V+N (3x127V) or others on request

** PLA100FC discontinued

MODEL		PLA250FC	PLA300FC	PLA320FC	PLA350FC		
Input	Power	250KVA 225KW	300KVA 270KW	320KVA 288KW	350KVA 315KW		
	No. of phases	3 phases 4 poles + earth					
	Rated voltage	380/400/415Vac *					
	Voltage range	208~480Vac					
	Frequency range	45-60Hz (auto sensing)					
	Power factor	≥0.99					
	THDi current	≤2% (100% non-linear load)					
	Genset Input	Supported					
Output	No. of phases	3 phases 4 poles + earth					
	Rated Voltage	380/400/415Vac *					
	Power factor	0.9					
	Voltage accuracy	±1%					
	Frequency	50/60 Hz ±1% of rated frequency					
	Crest Factor	3:1					
	THD	≤1% with linear load ≤4% non-linear load					
Efficiency (NOR mode)		≥96,5%					
Protections	Overload	Load ≤110%: 60min , ≤125%:10' ≤150%: 1' ≥150% immediate disconnection					
	Short-circuit	Yes					
	Overheating	Immediate switch off					
	Self-test	When circuit switched on and by software					
	EPO (optional)	Immediate switch off					
	Noise suppression	According to EN62040-2					
Alarms	Acoustic and led	Input off, overload, fault					
Display	LED and LCD	Line mode, overload, fault					
	LCD display	Input voltage, input frequency, output voltage, output frequency, load %, internal temperature					
Communication interface							
Environment	Ambient temperature	0°C~40°C					
	Warehouse temperature	-25°C~55°C					
	Humidity	0~95% non-condensing					
	Altitude	< 1500m.; >1500m derating applies					
	Audible noise	< 58dB					
Other	Dimensions mm (P×L×H)	828x360x868					
	Weight (Kg)	123	123				
	No. Of units	3	4				
Applied standards		CE, EN/IEC 62040-3, EN/IEC 62040-1-1, EN/IEC60950-1 , IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8					

* Different input/output voltages available on request. Item code will be PLAXxFC-yyyy where yyyy represents voltage combination e.g. 190V+N (3x110V) or 200V+N (3x115V) or 220V+N (3x127V) or others on request