

PLA-FC

THREE-PHASE 10-40KVA

**FREQUENCY CONVERTERS
VOLTAGE CONVERTERS
TECHNICAL SPECIFICATION**



THREE-PHASE FREQUENCY CONVERTERS

PLA-FC SERIES - DOUBLE CONVERSION

MODEL		PLA10FC	PLA15FC	PLA20FC	PLA30FC	PLA40FC
Input	Power	10KVA 9KW	15KVA 13.5KW	20KVA 18KW	30KVA 27KW	40KVA 36KW
	Phases	3 Steps 4 Cables and Grounding				
	Rated voltage	380/400/415Vac*				
	Voltage Range	208~478Vac				
	Frequency Range	40-55 to 50Hz -56-66Hz to 60Hz (auto detection)				
	Power factor	≥0.99				
	THDi Current	≤2% (100% nonlinear load)				
	Generator Set Input	Supported				
Output	Phases	3 Phase + Neutral + Grounding				
	Rated voltage	380/400/415Vac (selectable)*				
	Power factor	0.99				
	Voltage regulation	±1%				
	Frequency	50/60 Hz ±1% of rated frequency				
	Crest factor	3:1				
	THDv	≤1% with linear load ≤3% with nonlinear load				
Efficiency (in normal mode)		≥94.0%				
Protection	Overload	Load≤110%: duration 60min - ≤125%: duration 10min ≤150%: duration 1min - > 150% immediate exit detachment				
	Short Circuit	Involves the entire converter				
	Overheating	Immediately turns off the converter				
	Self-diagnosis	When switching on and via software command				
	EPO (optional)	Immediately turns off the converter				
	Noise suppression	Conform to there EN62040-2				
Alarms	Sound and Visual	Mains failure, overload, breakdown				
Display	LED and LCD status	Line Mode, Overload, and Fault				
	Displayed on the LCD screen	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage and Internal Temperatures, overload, fault, alarms etc.				
Communication Interface		USB, RS485, REPO, Parallel (optional) opto-isolated contacts, Smart Slot SNMP Board (Optional), Relay Board (Optional)				
Environment	Operating Temperature	0°C~40°C				
	Storage Temperature	-25°C~55°C				
	Humidity	0~95% non-condensing				
	Altitude	< 1500m. When >1500m the rated power is reduced				
	Noise	< 55dB			< 58dB	
More	Degree of protection	IP20				
	Dimensions (W×L×H)	828x250x868				
	Weight (kg)	42	45	45	71	73
Complies with safety regulations		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				

* Other input/output voltages available upon request. A PLAxFC-yyyy code is defined that identifies custom voltages
 Example: 190V+N (3x110V) or 200V+N (3x115V) or 220V+N (3x127V) or others on request

Technical data and images may be subject to a change without notice