



Soltec

The professional power people

ALP-FC Series

Frequency Converter



Features

- Adopting the DSP technology and IGBT component
- The Galvanic Isolation in AC input and output
- Powerful overload and interference-resist ability
- Wide AC input range (145 ~ 315VAC), Wide frequency input range
- Special load protection makes UPS is fit for any type of the load
- Startup without surge current
- Repair and Maintenance the whole day through Long-range dial
- The design of single PC control can improve the reliability and maintenance conveniently
- The design of anthropomorphized operation makes the operation more safe and convenient
- Perfect protection ensures the system can automatically cut off when the abnormal condition occurred
- Intelligent communication function supports the MAGATEC, UPSilon2000 and Netagent
- Approve EN50091-1, -2

ALP-FC Sereis Frequency Converter

Specification

PHASE	3-Phase Input / 3-Phase Output												
Model	FC 10K	FC20K	FC 30K	FC 40K	FC 50K	FC 60K	FC 80K	FC 100K	FC 120K	FC 160K	FC 240K	FC 320K	
KVA	10	20	30	40	50	60	80	100	120	160	240	320	
INPUT (RECTIFIER) Input Voltage	380V / 400V / 415V , special specification can be customized												
Input Range	± 20% (> ± 20% is available upon request)												
Input Frequency	50 / 60 Hz ± 5Hz												
Power Walk In	20 seconds												
Efficiency	> 98%												
Voltage Regulation	± 1%												
INVERTER													
Output Voltage	380V / 400V / 415V, ± 1 % , special specification can be customized												
Wave Form	Sine wave												
Output Power Factor	0.8												
Output Frequency (Free Running)	50 / 60 / 400Hz ± 0.1 Hz												
Phase Shift Under 100% Unbalance Load	< 0.5°												
THD (Linear Load)	< 3 %												
Overload	< 110%		Continuous										
	110 - 124%		15 minutes										
	125 - 149%		5 minutes										
	≥ 150%		30 seconds										
Efficiency (100% Load)	92%		93%			94%		94.5%		95%			
OVERALL CHARACTERISTICS													
Overall Efficiency	> 90%			91%			92.%		92.5%		93%		
Dimensions(W*H*D)cm	55 x 160 x 80						110 x 160 x 80			224 x 160 x 80			
Weight(kg, without battery) for 380/220V	280	300	400	480	550	680	820	950	1180	1450	1950	2450	
Audible Noise	< 65 dBA (at 1M)						< 67 dBA (at 1M)						
Temperature	0 - 40 °C (32 - 104 °F)												
Humidity	0% - 90% (non-condensing)												
Altitude	<1500M above seal level												
EMC	EN50091-1,-2 62040-1,-2												
Short Circuit Protection	YES												
Lightning / EMC Filter	MOV / Input & Output (FCC CLA SSA)												
Galvanic Isolation	Input & Output true galvanic isolation												
LED,LCD,Buzzer	YES												
Remote Control / Communication Interface	Dry contact, UPSCOM(RS232), Remote control panel(RS485), Modbus(RS485),Netagent(SNMP card)												

- The maximum capacity 1000KVA is available for the model.
- Different specifications required are available.
- All specifications mentioned above are subject to change without prior notice.



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