PROTEK

Industrial Type Design
Suitable for
All Applications

特別なオプションで全ての日本製機械に適合可能。
3相交流380ボルト4線式を3相交流200／220
ボルト3線式にコンバート。

ALP Series 10-1250kVA

True On-Line Double Conversion

UPS / Inverter / Voltage-Frequency Converter

สำรองไฟ / เปลี่ยนไฟฟ้า DC-AC / ปรับแรงดัน-ความถี่ไฟฟ้า

Full Digitalized Intelligent Galvanic Isolation Design

Features

- Advanced Technology DSP, IGBT Components
- Wide Input Range, Robust Design For Harsh Enviroment
- Multi - CPU and Software / Hardware Cooperate Control
- True Galvanic Isolation Transfomer Design
- Automatic & Manual Static Bypass Switch
- Each Phase with Individual Inverter Supporting, allow 100% unbalance load capabilities
- Eco Design with High Efficiency and Low THD
- Advanced Battery Charging Management
- Fully Protection Over & Under Voltage, Spike & Surge Suppression, Short Circuit Protection...etc.
- Modular Design for Easy Maintenance
- N+X Parallel Redundancy Operation (Optional)
- EPO - Emergency Power Off Function (Optional)

All Specification Can be Customized

1. **Voltage** : 190/200/208/380/400Vac 415/440/480/600/690Vac
2. **Phase** : 1P2W / Δ 3P3W / Y 3P4W
3. **Frequency** : 50/60/400Hz

* SPECIFICATIONS : *True On-line Double Conversion With Isolated Transformer*

ALP Series												
MODEL :	Appearance >	ALP-10K-60kVA		ALP-80K-160kVA		ALP-200K-320kVA				ALP-400kVA~1250kVA		
ALP	3P Input / 1 P Output ▶	10K	20K	30K	40K	50K	60K	80K	100K	120K	160K	
ALP	3P Input / 3 P Output ▶	10K	20K	30K	40K	50K	60K	80K	100K	120K	160K	1250K
Power Rating	**kVA**	10	20	30	40	50	60	80	100	120	160	1250
	kW	8	16	24	32	40	48	64	80	96	128	1000
INPUT	-Rectifier											
Voltage (Vac)		190 / 200 / 208 / 380 / 400 / 415 / 440 / 480 / 600 / 690V (Y3P4W or △3P3W)										
Input Range		± 20% (>± 20% is Available Upon Request)										
Frequency (Hz)		50 / 60 / 400Hz ± 5Hz										
Power Walk In		0% - 100% : 20 Secs										
Efficiency		> 98%										
OUTPUT	-Inverter											
Voltage (Vac)	3P Input / 1P Output ▶	100 / 110 / 120 / 220 / 230 / 240V ± 1% (Y1P3W or △1P2W)										
	3P Input / 3P Output ▶	190 / 200 / 208 / 380 / 400 / 415 / 440 / 480 / 600 / 690V ± 1% (Y3P4W or △3P3W)										
Wave Form		Pure Sine Wave										
Output Power Factor		0.8										
Frequency Lock Range		50 / 60 / 400Hz ± 3Hz										
Output Frequency (Free Running)		50 / 60 / 400Hz ± 0.1Hz										
Phase Shift Under 100% Unbalance Load		< 0.5										
THD (Linear Load)		< 2%										
Overload	< 110%	Continuous										
	110 - 125%	15 minutes										
	125 - 150%	10 minutes										
	> 150%	30 seconds										
Efficiency (100% Load)		95%			95.5%		96.5%			97%		
BATTERY												
Battery Type / Pcs		Maintenance Free Sealed Lead - Acid Batteries / 12V x 29pcs										
Maximum Charge Current Adc (Selectable)		5	10	15	20	25	30	40	50	60	80	200
Battery Start		Yes, UPS Can be Started Without AC Source										
SYSTEM FEATURES												
Approval		FCC Class A, EN50091-1, -2, UL, ISO9001										
Automatic & Manual Bypass		0 msec (Mains ⟷ Inverter by Static Transfer Switch)										
Maximum Heat Dissipation (kW)		1.1	1.3	1.9	2.6	3	3.5	4.6	5.4	6.5	8.7	10.2
Audible Noise (dBA)		< 58dBA (At 1 M)						< 60dBA (At 1 M)				< 65dBA (At 1 M)
Temperature		0 - 40˚C; 32 - 104˚F										
Humidity / Altitude		0% - 90% (Non - Condensing) / < 1500M Above See Level										
Short Circuit Protection		Rectifier, Reserve, and Bypass., True Galvanic Input - Output Isolation										
Protection System		Automatic Self - Diagnostics Test, Input Over & Under Voltage, Output Over & Low Voltage, Output Stabilizer, Overload, Low & End - Dischager Battery, MOV Surge & Short - Circuit, EMI & RFI Noise Filter, Over Temperature, **Reversed Energy Absorber										
Indicator & Alarm		LCD, LED, Mimic Display, Buzzer										
Remote Control / Communication Interface		Monitoring 1 - 99 UPS Simultaneously / Dry Contact, RS232, RS485 (USB / J-BUS / MODBUS / PROFIBUS / HTTP / SNMP are Optional)										
PHYSICAL												
Dimension (cm) (W x H x D)		55 x 160 x 80						110 x 160 x 80				782 x 190 x 100
Weight (Kg - Without Battery)		270	300	400	480	550	680	820	950	1180	1450	8150

* Specifications are subjest to change without prior notice.

** Optional of Specifications

*** Different specifications required are available.

SPC. 25-03-22

PROTEK

Total Power Solutions