



ALP-M Series 10-1600kVA

True Galvanic Isolated On-Line Double Conversion

UPS / GPU-Static Voltage Frequency Converter

สำรองไฟ / ระบบจ่ายไฟภาคพื้นดิน-แปลงแรงดันความถี่ไฟฟ้าคงที่

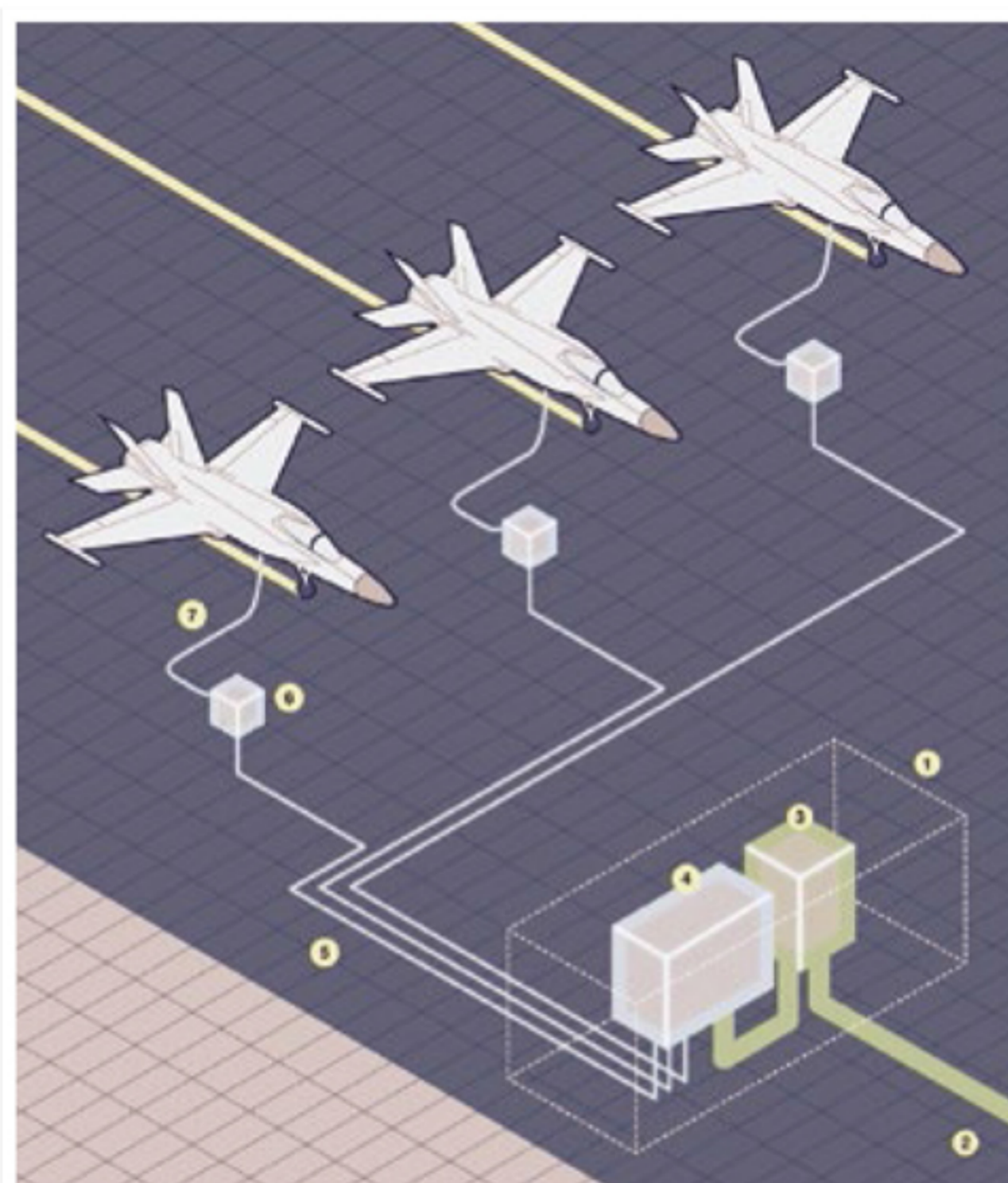
CENTRALISED POWER SYSTEM

Features

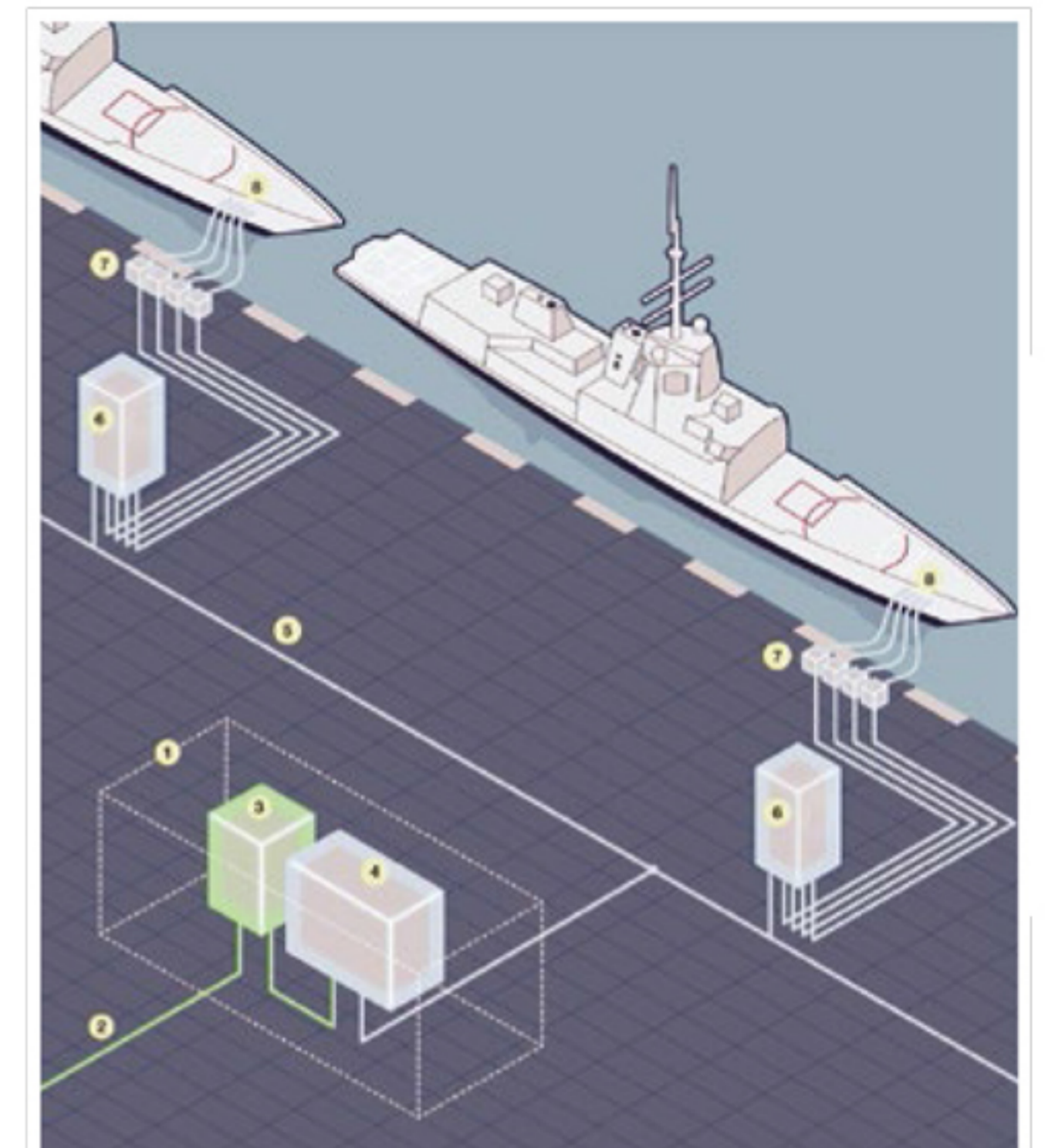
- Advanced Technology DSP, IGBT components
- 50/60/400Hz Frequency Conversion Options
- Multi-CPU Control with True Galvanic Isolation
- Wide Input Range, Robust design for Harse Enviroment
- Cold Start Function
- EMI Suppression, Shot Circuit Protection..etc.
- Each Phase 100% unbalance load capabilities
- Self-Diagnosing, Plug-and-play modular Design
- Multiple Input / Output Voltage Options
- Automatic & Manual Bypass Switch Options
- Three-Phase / Single-Phase Input / Output Options
- N+X Parallel Redundancy Operation Options
- Full Remote Management
- Hot-Swappable Modules for Easy Maintenance
- Intelligent Battery Charger / Expandable Backup time
- Botton / Top Cable Acss Gland Plates Options
- Highest MTBF & MTTR in the Industry
- Rugged design / Corrosion coatings transformer Options
- EPO - Emergency Power Off function Options
- True Multi-stage Online Conversion Options

 200V 400Hz

 440V 60Hz



① Centralised Plant Room ② Mains Supply 380V 50Hz (3P) ③ Main Switchboard Supply 380V 50Hz (3P) ④ The **ALP-M** 100~1600kVA Static Frequency Converter 380V50Hz (3P)/200V 400Hz (3P) ⑤ 200V RMS 400Hz Distribution Borad ⑥ Umbilical Aircraft Cable



① Centralised Power House ② Mains Supply 380V 50Hz (3P) ③ Main Switchboard Supply 380V 50Hz (3P) ④ The **ALP-M** 100~1600kVA Static Frequency Converter 380V 50Hz (3P)/440V 60Hz (3P) ⑤ 440V RMS 60Hz Distribution Board ⑥ Cope boxed ⑦ Pluggable Cope leads

日本製機械に適合可能。

△ 3Phase

200V 60Hz

Airforce & Naval

Y 3Phase

200V 400Hz

440V 60Hz



ALP Series 10-1600kVA

All Specification Can be Customized

- 1 Voltage : 100/110/115/120/190Vac
200/208/220/230/240/380Vac
400/415/440/480/600Vac
- 2 Phase : 1P2W / △ 3P3W / Y 3P4W
- 3 Frequency : 50/60/400Hz

True On-Line Double Conversion
UPS / Inverter / Voltage-Frequency Converter
สำรองไฟ / เปลี่ยนไฟฟ้า DC-AC / ปรับแรงดัน-ความถี่ไฟฟ้า
Full Digitalized Intelligent Galvanic Isolation Design

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

ALP / ALP-M	3P Input / 1 P Output ▶	10K	20K	30K	40K	50K	60K	80K	100K	120K	160K	200K			
ALP / ALP-M	3P Input / 3 P Output ▶	10K	20K	30K	40K	50K	60K	80K	100K	120K	160K	200K	240K	320K	400K
Power Rating	kVA	10	20	30	40	50	60	80	100	120	160	200	240	320	400
	kW	8	16	24	32	40	48	64	80	96	128	160	192	256	320
INPUT		-Rectifier													
Voltage (Vac)		190 / 200 / 208 / 380 / 400 / 415 / 440 / 480 / 600V (Y3P4W or △ 3P3W)													
Input Range		± 20% (>± 20% is Available Upon Request)													
Frequency (Hz)		25 / 50 / 60 / 100 / 400Hz ± 5%													
OUTPUT		-Inverter													
Voltage (Vac)	3P Input / 1P Output ▶	100 / 110 / 115 / 120 / 220 / 230 / 240V ± 1% (Y1P3W or △ 1P2W)													
	3P Input / 3P Output ▶	190 / 200 / 208 / 380 / 400 / 415 / 440 / 480 / 600V ± 1% (Y3P4W or △ 3P3W)													
Wave Form		Pure Sine Wave													
Output Frequency		25 / 50 / 60 / 100 / 400Hz ± 0.1Hz													
Phase Shift Under 100% Unbalance Load		< 0.5													
Overload		< 110% : Continuous, 110 - 125% : 15mis, 125 - 150% : 10mis, > 150% : 30sec													
Efficiency (100% Load)		95%	95.5%	96.5%											97%
SYSTEM FEATURES															
Battery Type / Pcs		Maintenance Free Sealed Lead - Acid Batteries / 12V x 29pcs													
Automatic & Manual Bypass		0 msec (Mains ↔ Inverter by Static Transfer Switch)													
Temperature / Humidity / Altitude		0 - 40°C / 0% - 90% (Non - Condensing) / < 150M Above See Level													
Protection System		Automatic Self - Diagnostics Test, Input Over & Under Voltage, Output Over & Low Voltage, Output Stabilizer, Overload, Low & End - Discharger Battery, MOV Surge & Short - Circuit, EMI & RFI Noise Filter, Over Temperature, **Reversed Energy Absorber													

* Specifications are subject to change without prior notice.
** Optional of Specifications
*** Different specifications required are available.



Spec. STD.04-05-17



Total Power Solutions

U PROTECT

COMPANY LIMITED

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