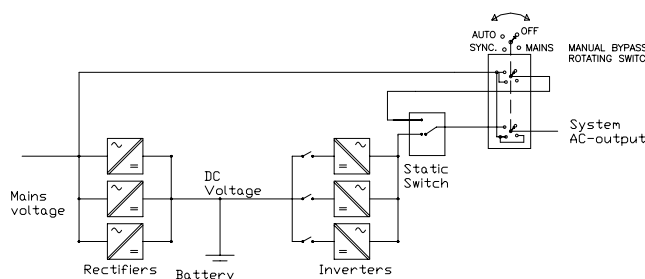
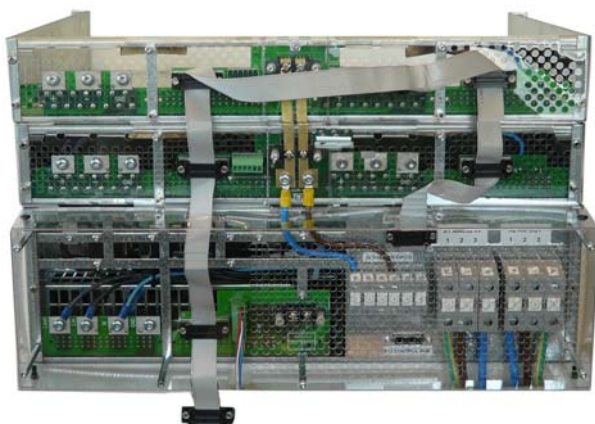


BPU69000 DUAL 30kVA

30kVA External Static Switch for DAC60000 Dual Inverters



Modular Inverter system 1 500VA ... 30 000VA
2 x 1500VA inverter modules in 19" 1.5U
Static Switch and Manual Bypass in 19" 3U
Redundant n+1 system, hot swap plug-in modules
Both On-line and Off-line applications



STATIC SWITCH (BYPASS) MODULES							
Type	Nominal Voltage	Frequency Range	Max Current	Nominal Power	Cooling	Dimensions Without Handles	Weight
BPU69430FR	230VAC	40-70Hz	125A	30 kVA	Forced, fan	220 x 131 x 400 mm	8.4kg
BPU69410FR	115VAC	40-70Hz	125A	15kVA	Forced, fan	220 x 131 x 400 mm	8.4kg

19" 3U POWERFRAME (sub-rack) INCLUDING MANUAL BYPASS	
Type	Description
MBP68400	Sub-rack including manual bypass and position for static switch, 19" x 3U x 435mm, weight 11.6kg



POWERNET



Sales & R&D: Mäkituntantie 3 H, FIN-01510 VANTAA, Tel. +358 9 8362 830, Fax +358 9 8362 8362
 Production and Service: Rautatiekatu 52, FIN-44150 ÄÄNEKOSKI, Tel. +358 14 3396 400, Fax +358 14 3396 410
 E-mail: marketing@powernet.fi, Internet: www.powernet.fi

Features:

- Small size, light weight, standard 19" rack
- On-line/off-line configurations, user changeable during operation
- Fast switching, user programmable reaction time for optimized system performance
- Large user programmable synchronization range
- Continuous microprocessor based internal monitoring and diagnostics
- Remote monitoring through RS-232 with standard PC

User programmable parameters:

- On-line/Off-line configuration
- Minimum and maximum inverter RMS voltage conformity
- Minimum and maximum mains RMS voltage conformity
- Minimum and maximum mains frequency conformity
- Maximum allowed mains frequency change rate
- Load level to return to inverter supply after overload
- Delay to switch to inverters at rapid mains blackout or over voltage (min. 1ms)
- Delay to switch to mains at rapid inverter blackout or over voltage (min. 1ms)

SPECIFICATION

ELECTRICAL

Operation voltage range	80 - 270 VAC
Synchronizing frequency range	40-70 Hz (user programmable)
Protection, external fuse in mains AC input	MCB 125A B-, C- or D-curve or gG fuse 125A
Efficiency at full load	> 99 % @ 230VAC
Overloading capability (off-line)	5000 A/10 ms, 400 A/0,3 s, 200 A/1 min

MECHANICAL

Enclosure	Steel casing IP20
Connectors in bypass module's rear panel	Plug-in connectors
Connectors in powerframe's rear panel	Mains Input and AC output, 25mm ² screw terminals (L-N-PE) (up to 35 mm ² with solid wires) 3 x Inverter AC input, 10mm ² screw terminals (L-N)

ENVIRONMENTAL

Operating temperature	0...50 C full power, 50...60 C reduced power
Cooling	Forced cooling front to rear, 2 fans inside the module. Fans are redundant, one fan is enough for cooling in normal conditions.

STANDARDS

Safety	EN 60950-1
EMC	EN 55022B, EN61000-6-3, EN61000-6-2 or EN61000-6-1 (EN61000-4-3 radiated immunity according to EN61000-6-1 other immunity standards EN61000-6-2)

ALARMS AND INDICATORS

LED indications	Overload – Fault - Mains failure - Mains in use - Inverter failure - Inverter in use – Synchronized - Communication
Relay alarms	Fault in system Primary supply failure
Remote monitoring through RS-232	

SYSTEM SOLUTIONS AND AC-DISTRIBUTION



Complete Inverter System

Up to 18pcs of 1500VA inverters max 27kVA can be installed in parallel including external static switch and manual bypass. Static switch/manual bypass powerframe and inverters are installed on top of each others in 19" cabinet



IEC320 Distribution solutions

19" 1U distribution panels with IEC320 connectors offers safe and easily changeable distribution solution. Ampere meter also available for local load monitoring.