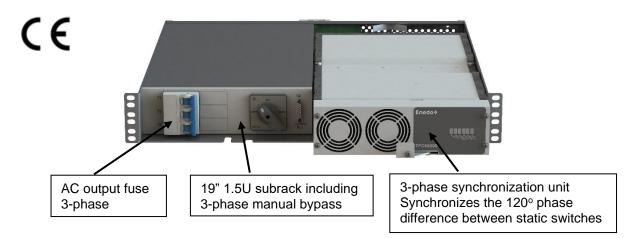




UTILITY

3-phase Synchronization Unit for DAC60000 Inverters



3-PHASE INVERTER SYSTEMS 4.5kVA – 22.5kVA

Modular 3-phase inverter systems 3 x 1.5 - 7.5kVA can be built with TPC synchronization unit and DAC60000 inverters. System includes one 19" 1.5U rack for 3-phase manual bypass and sync unit, which controls 3 separate 1-phase systems each including one static switch and 1-6 pcs of inverters. Secured 400/230VAC three phase power can be supplied to star connected loads.



Features

- Modular architecture, 3-phase systems are built by same inverter modules as 1-phase systems
- Small size, light weight, standard 19" rack
- Flexibility to define power capacity and on-line/off-line default supply independently for each phase
- SNMP for remote access, RS-232 with standard PC for local monitoring and parameter setting

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

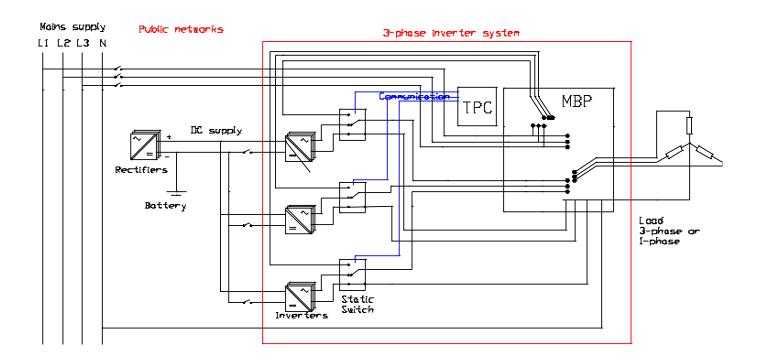




Datasheet

3-PHASE SYNCHRONIZATION MODULE				
Туре	Description			
TPC66100FR 3-phase synchronization plug-in module, 220 x 64 x 409 mm, 2kg				
19" 1.5U POWERFRAMES (sub-racks)				
Туре	Description			
MBP68500	Sub-rack including 3-phase manual bypass, AC-output fuses and position for TPC sync unit, 19" x			
	1.5U x 480mm 5kg			

	1.50 X 460mm, 5Kg
MBP68502	Sub-rack including 3-phase manual bypass and position for TPC sync unit, 19" x 1.5U x 480mm,
	5kg



(Check DRW03400)





SPECIFICATION

ELECTRICAL

Mains voltage Inverter DC supply System output voltage Power range Optional power range Synchronizing frequency Mains input connectors Inverter/static switch input	L1, L2, L3, N, PE Inverter system output to static switch	3-phase star connected mains 24VDC, 48VDC, 60VDC, 110VDC, 125VDC 3-phase star connected loads or 1-phase loads 3 x 1.5 – 7.5kVA 3 x 1.5 – 30kVA User programmable 40-70 Hz 10mm ² screw terminals With AC bus bars, M5 ring terminals 10mm ² screw terminals L1, L2, L3, N, PE
AC outputs connectors All connectors are located	Static switch inputs/outputs to man. bypass L1, L2, L3, N, PE	10mm ² screw terminals

CONTROLS

3-phase manual bypass	Rotating switch K&N CA40,
	4 positions: Off–Mains–Sync-Auto
Input protection	External fuse in mains input of each phase
Output protection, loads	3-phase manual bypass unit

max current 40A, short circuit max 950A (1s)

MCB 40A B-, C- or D-curve or gG fuse 40A C32A 3-phase MCB

STANDARDS

Safety EMC

Emissions without filter Emissions with filter Immunity

EN 60950-1 EN61000-6-4, EN 55022A EN61000-6-3, EN 55022B EN61000-6-2

ALARMS AND INDICATORS

LED indications

TPC unit front panel

Relay alarms Alarms from static switch in each phase Remote monitoring through RS-232

Power On - Synchronized - Phase 1 OK -Phase 2 OK - Phase 3 OK - Fault Fault in system, Primary supply failure

MECHANICALS

Dimensions & weight Enclosure Front plate painted Finger protection

See page 1 hot galvanized steel

Polycarbonate plate

IP20 RAL7035 Covers rear panel's screw terminals

ENVIRONMENTAL

Temperature range Cooling

Operating

0...45 °C full power, 45...60 °C reduced power Natural

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