

The smart AC solution... Arcon 4000VA – 40kVA

« HOT PLUG IN » MODULE



SCALABILITY

Advanced Features

- up to 40 KVA installed power
- RDI inverter module 4 kVA /230Vac
- Compact system with integrated inverter
- DC inverter input distribution integrated
- Manual by-pass for service and maintenance
- Redundant system N+1
- No master slave operation
- High efficiency
- 4 quadrant load operation
- Load PF 0 lagging to 0 leading
- Small dimensions
- Easy to install and maintain
- Comfortable power system controller
- AC output distribution up to 20 MCB 15A, 20A or 30 A
- Static by-pass switch integrated
- Standards EN60950, EN55022 class A
- Dimensions per cabinet 600x600x2100mm (WxDxH)

Applications

CE+T's power system is especially designed for uninterruptable AC power supply for telecommunication and industrial applications. Typical usage of this power supply is in areas such as transmission, billing server, main station, central office building and further medium or large size telecommunication where a reliable and redundant AC power supply is necessary.

The system is a compact system with modular switch mode inverter module. The modularity allows an easy adaptation respectively expansion of the system in accordance with the customer needs. Up to 7 inverter modules can be installed in the compact cabinet. The inverter module with high efficiency and reliability are controlled and monitored by a comfortable system controller.

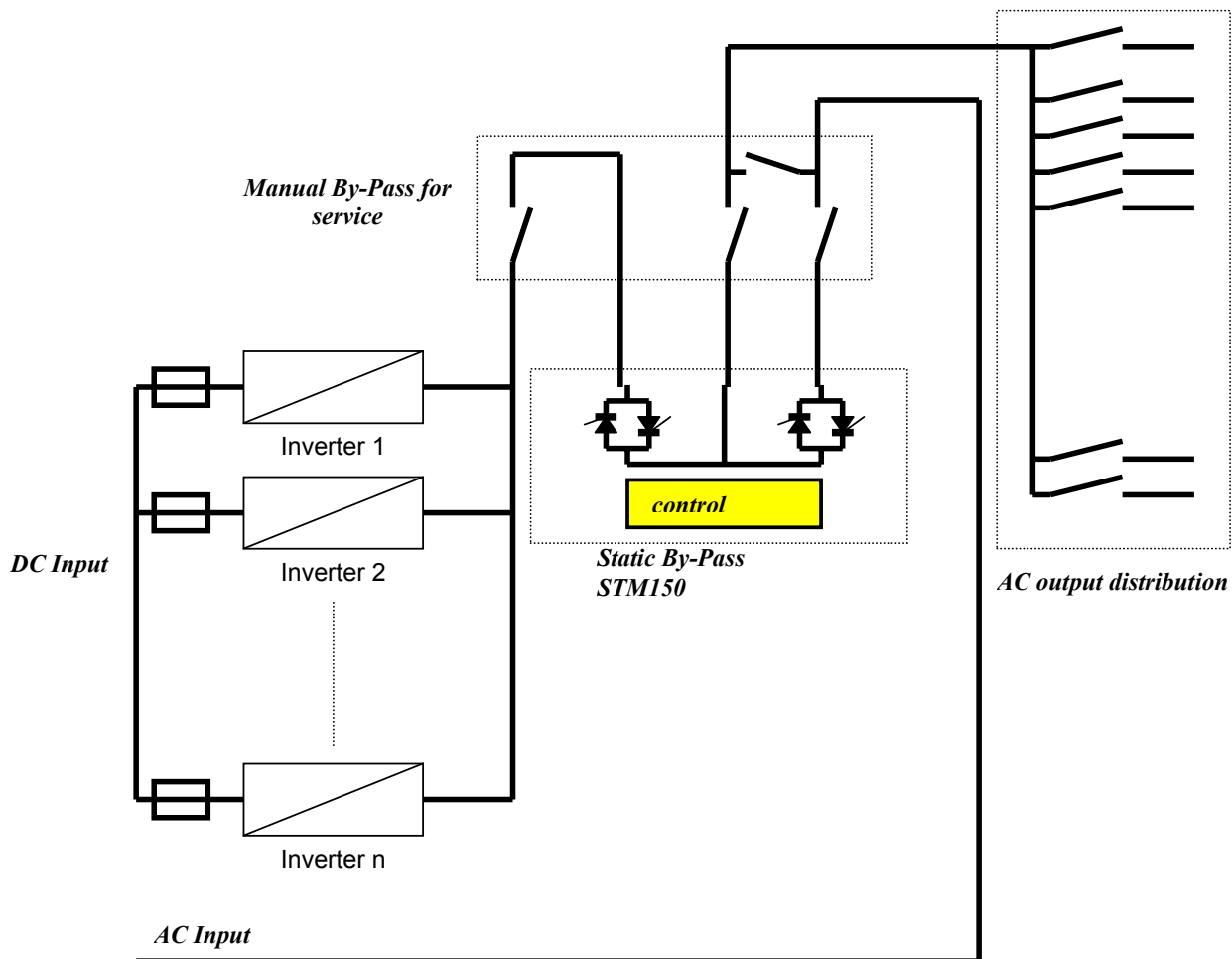
AC commercial power input is located behind distribution panel. The AC input terminal are for 3x95mm² cables max. DC input distribution to the inverter can be done either from multiple DC feed typically one per inverter module or a common DC input from one fuse 600A minimum. The inverter unit are hotswappable. Distribution to the load can contain up to 20 output MCB 15A or 20A or 30 A to be specified at the order. The control panel displays system status, AC output measurements voltage, current, frequency, output power. Reading are selected through scrolling menu. The control unit will provide the information concerning any failures in the

power systems, the status of the equipment and the differents measurements. The system information are available wia modem if installed.

Technical data :

Dimension 600x600x21000 mm (WxDxH)
 Weight of the cabinet 120 Kg
 Weight of each invetrer 16 Kg
 Input 48VDC or 60VDC
 AC input 230VAC / 50Hz
 AC Output 230VAC / 60Hz
 AC output power 40000VA N+1

Further information about inverter module, static by-pass switch and controller are given on separate data sheets.



Subject to change due to technical progress.

Compact Inverter System for 10 inverter modules 4000 VA

Technical Data :

DC input voltage : 48VDC or 60VDC
DC Input range : 40 to 80VDC
AC input voltage : 230VAC-60Hz
Max.N° of modules : 10 x Module
4000VA

Dimensions :

Footprint : 600x600x2100 mm
(WxDxH)
Weight of cabinet : 150 Kg
Weight of module : 15 Kg

Settings :

LVD minimum : 40VDC adjustable 40
to 63VDC
LVD recovery : 47VDC adjustable 43
to 66VDC

AC input minum : 195VAC to 210VAC
adjustable

AC input maximum : 220VAC to
240VAC adjustable

Inverter output voltage : 208 to
235VAC adjustable

AC output distribution :

Cabinet can be precabled to receive up
to 3 line of distribution breaker
Maximum 20 output MCB Square D
(10 MCB per line)
Din Rail Mountable
MCB rating 15A or 20 A or 30 A to be
specificied

Included material

SYS3000 controler
STM150 static by-pass switch
MBP manual by-pass switch

Spare parts :

SYS3000 controller
Inverter module 4000VA
Fan for inverter module
Arcon STM 150 static switch
Extra output breaker MCB

Specifications subject to change without notice

