



GTEC UPS MODEL:

NOVA 20 kVA

LAYOUT FOR SERVICE

Nova 20-kVA-layout	Written by: CCE	Approved: SNI
Rev. 01	Emission Date: 22/02/2023	Tot pag.

NOVA 20KVA

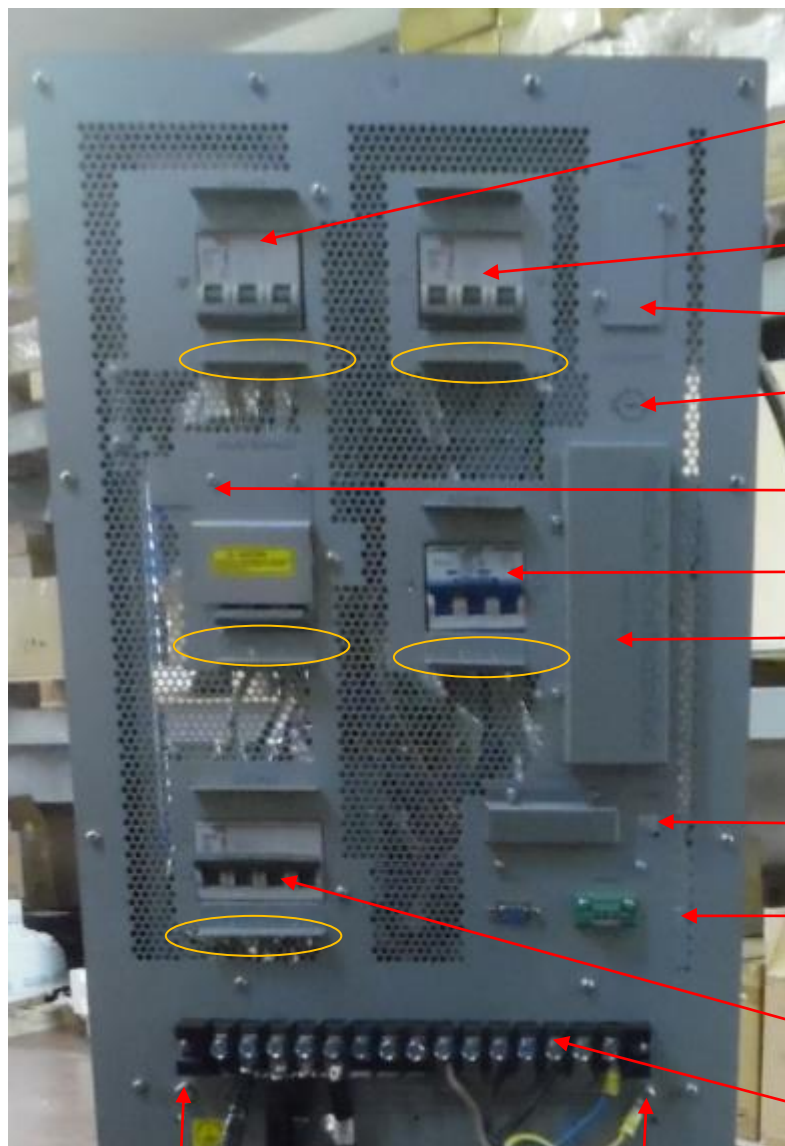
Scope: UPS part position

Use this document with:

Topology diagram
Wiring diagram
Service manual

Front and Back view NOVA 20 KVA





Earth (PE) connection screw M6 -----Output earth

CB4 - By-pass

CB1 - INPUT

Slot (optional)

Cold Start (optional)

CB2 Maintenance- breaker

CB5 Battery

Dry contact

USB and parallel port

485 - 232

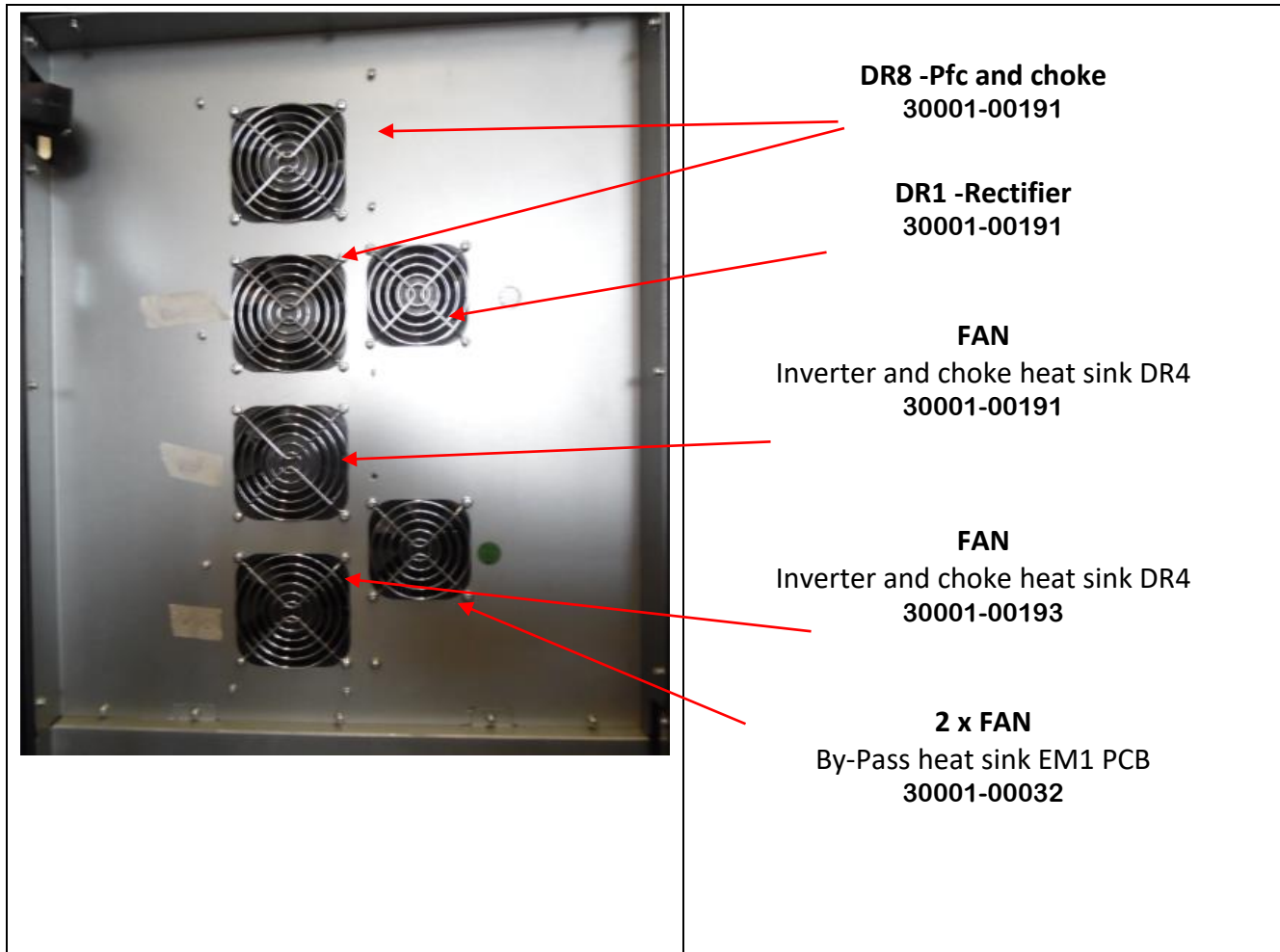
CB3 output breaker

Terminal Bloks

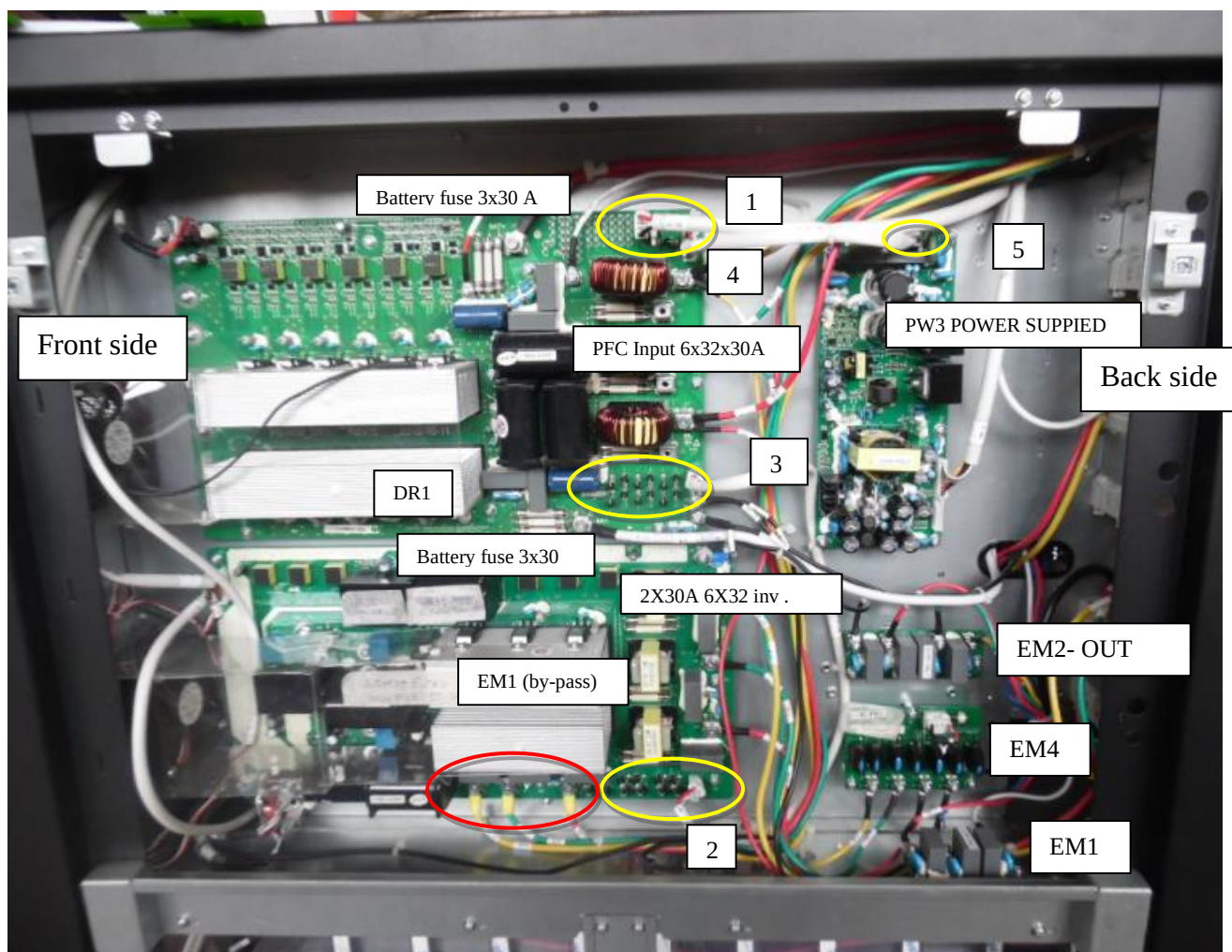
Note for service:

Attention by removing the protections circled in yellow you can access the switch terminals for checks

FAN



Right side

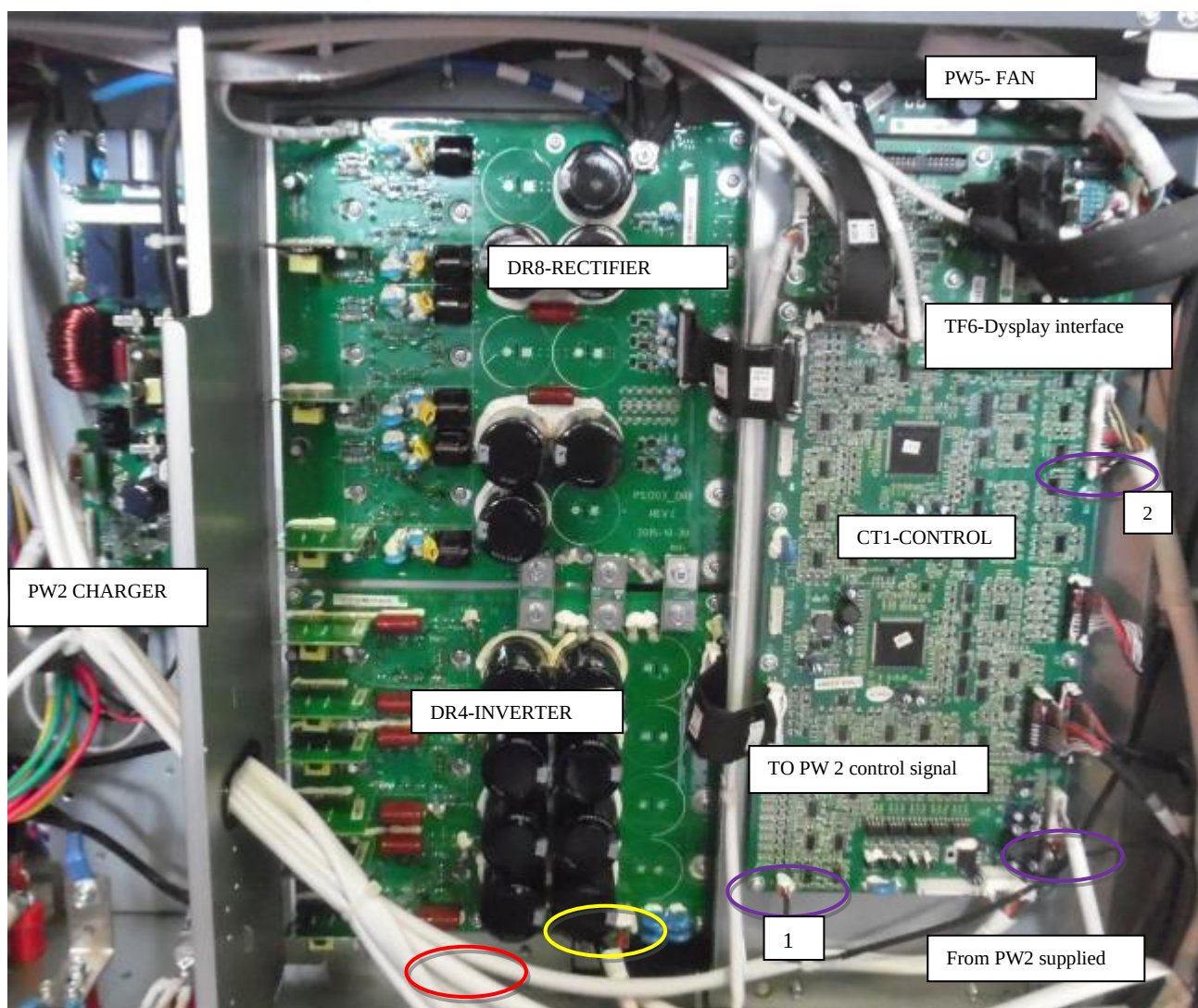


 Diode power supplied to by-pass BUS+ supplied is take on DR4 PCB.
By cable marked with 1 in the upper picture.

 by-pass input da CB4 /Static by-pass Input from CB4

EM1 Static by-pass inverter filter C and inverter output fuse
EM4 Input surge protection -

LEFT SIDE



Bus 400V connector to PW3 power supply and PW2 charger PCB



2 couple Fuses F8- F9 15A Fast action, Bus Voltage that supply PW3 power supply PCB and PW2 battery charge PCB.



1 PTC Ambient temperature measure (sensor is behind the FAN pannel)



2 PTC Rectifier temperature

PCB position front view

