

## Schematic diagrams

R18 150K-1206 E1 100uF-450V BD2 2A 1000V BD1 NC\_16A 1000V R17 150K-1206 C14 C13 C12 12V4A 2.2uf 0.1uF 1nF T NC\_20R-1206 R15 20R-1206 R16 20R-1206 D1 S1M R7 4M7-1206 E4 1500uF-25V C5 NC-47p 630V 1206 \_\_ E3 1500uF-25V STL110N10F7 R9 4M7-1206 D GND CN2 MKDS-1/2-3.81 /2P 15 GND D R28 51k 2l,-7.5B-0.8 NTC1 R4 470k-1206 GND R19 2.2R-1206 IC4 SR<u>K1001</u> GND POT3014 R31 0R BR GD TOFF 100R-1206 DZ1 E2 22V 50V/22UF CX2 0.47uF/275V 2 L1 3 iOVP Vdd D3 MMSD4148T1G GND VAUX 4<sub>1</sub>7u/35V 1206 ⊕<sub>ZCD</sub> 7 Tab ≟ q VCC DVS R29 R30 68k 68k R14 36k CY1 222-250V C3 220p SQ1515\_30mH Ť R11 NC-680k 12<u>V4</u>A R3 R2 R1 470K-1206 470K-1206 470K-1206 CX1 R0/#7uF/275V R12 0R TVR14561 FUSE1 T3.15A/250V IC3 4-IC(TL431) CN1 MKDS1.5/2- 5.08/ 3P

Figure 1. STDES-VPGAN50FL circuit schematic



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