PARALLEL COMBINER CABINET

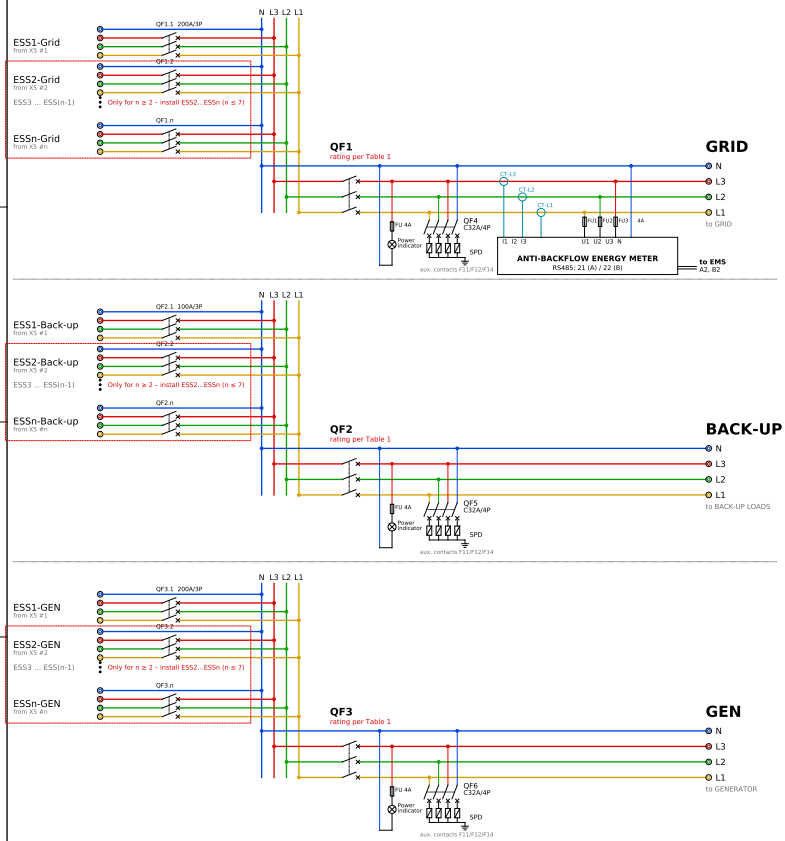
for TCL X5 – generic, 1 … 7 units (n = number of X5 units)

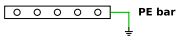
TABLE 1 – MAIN BREAKER RATINGS vs. NUMBER OF X5 UNITS

No. of units (n)	QF1 Grid (A)	QF2 Back-up (A)	QF3 Generator (A)
1	200	100	200
2	400	200	400
3	630	400	630
4	800	400	800
5	1250	500	1250
6	1250	630	1250
7	1600	800	1600
8 – 10	**Please contact tech support**		

NOTES:

1. Generic combiner cabinet for parallel operation of 1 to 7 X5 units.
   n = number of X5 units installed.
2. Install only incoming branches ESS1 … ESSn in each section. Parts in red dashed frames are installed only when n ≥ 2.
3. Main breakers QF1 (Grid), QF2 (Back-up), QF3 (GEN): rating per Table 1.
4. Branch breakers: QF1.1 200A, QF2.1 100A, QF3.1 200A. Ratings of QF1.2…n, QF2.2…n, QF3.2…n to be selected by the installer to suit the cables.
5. Without generator, the GEN section (QF3, QF3.x, QF6) can be omitted.
6. QF4 / QF5 / QF6 (C32A/4P) protect the SPD of each section; power indicator lamp fed via FU 4A. SPD aux. contacts F11/F12/F14.
7. Anti-backflow meter on Grid output: CT-L1/L2/L3 sized to QF1 rating; voltage via FU1–FU3 4A; RS485 21(A)/22(B) to EMS A2/B2.
8. For 8 or more X5 units, please contact tech support.





Derived from original 3-unit combiner drawing (rev A/0, 2026-04-25)

Parallel combiner cabinet – X5, 1…7 units (generic)			
Company	TCL SunPower Global	Drawing no.	
Designed		Checked	
Approved		Revision	C (generic)
Date	2026-10-09	Scale / Size	1:1 / A3