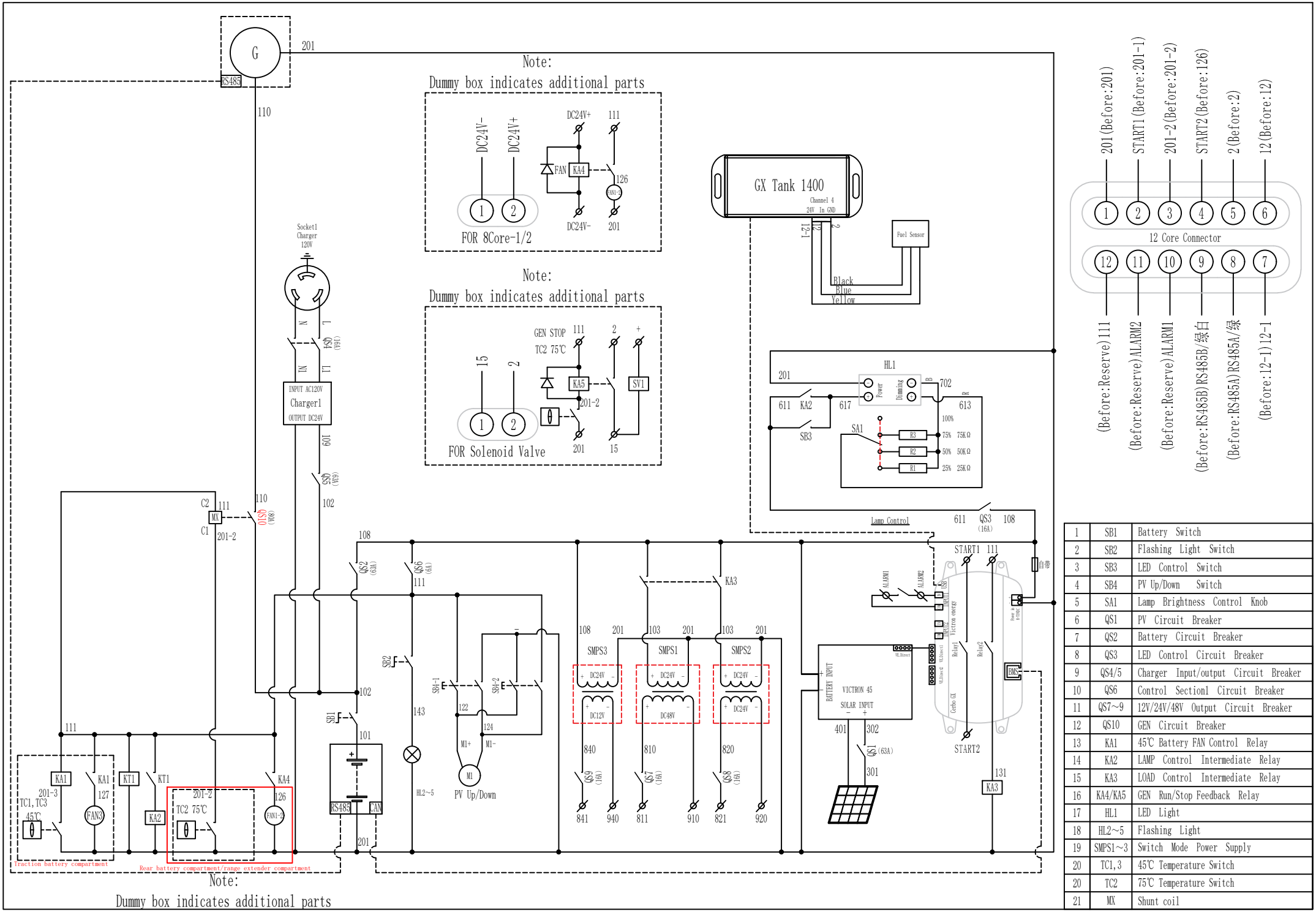
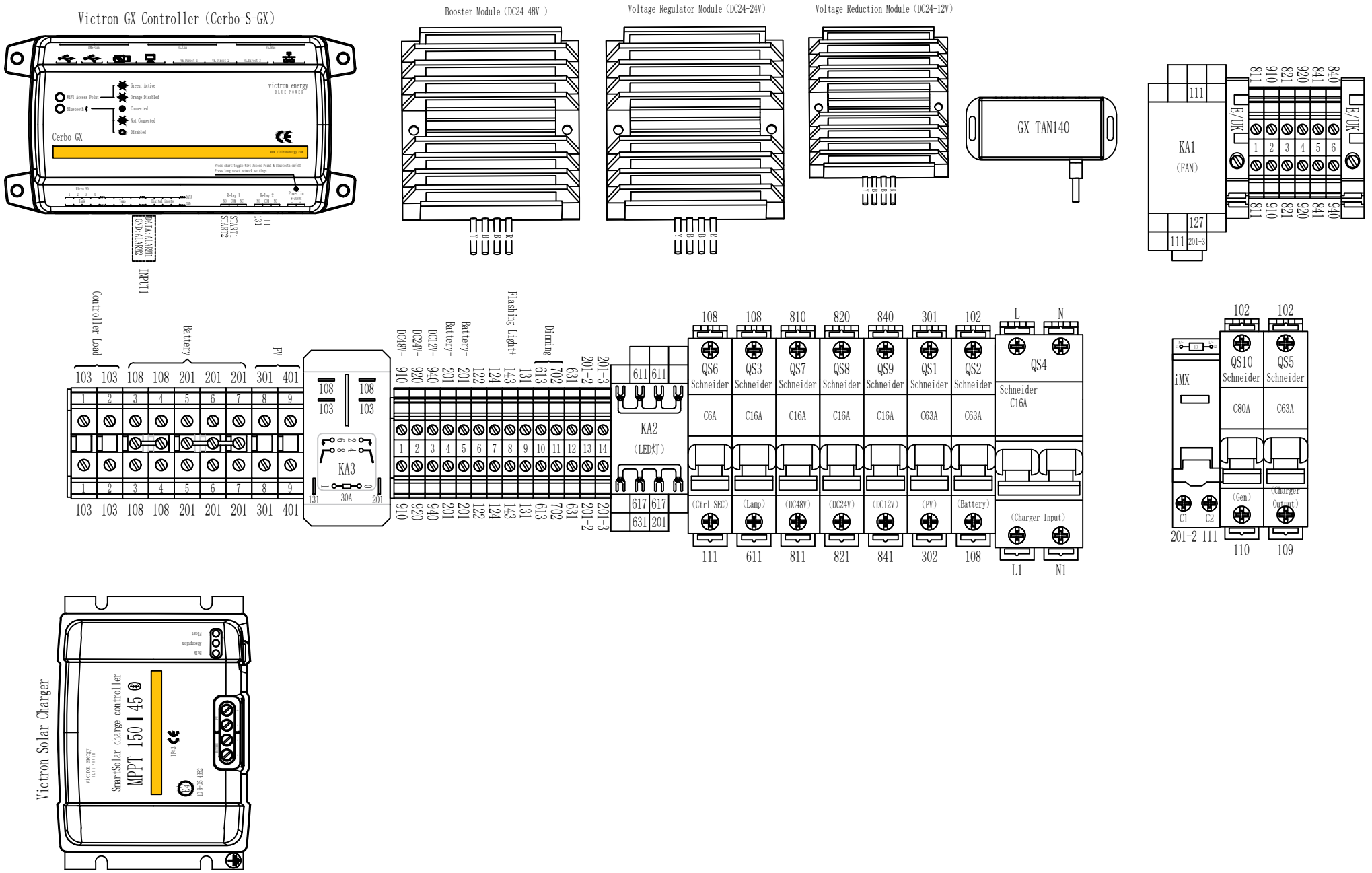


1	SB1	Battery Switch
2	SB2	Flashing Light Switch
3	SB3	LED Control Switch
4	SB4	PV Up/Down Switch
5	SA1	Lamp Brightness Control Knob
6	QS1	PV Circuit Breaker
7	QS2	Battery Circuit Breaker
8	QS3	LED Control Circuit Breaker
9	QS4/5	Charger Input/output Circuit Breaker
10	QS6	Control Section1 Circuit Breaker
11	QS7~9	12V/24V/48V Output Circuit Breaker
12	QS10	GEN Circuit Breaker
13	KA1	45℃ Battery FAN Control Relay
14	KA2	LAMP Control Intermediate Relay
15	KA3	LOAD Control Intermediate Relay
16	KA4/KA5	GEN Run/Stop Feedback Relay
17	HL1	LED Light
18	HL2~5	Flashing Light
19	SMPS1~3	Switch Mode Power Supply
20	TC1,3	45℃ Temperature Switch
20	TC2	75℃ Temperature Switch
21	MX	Shunt coil


Victron GX Controller (Cerbo-S-GX)
Booster Module (DC24-48V)
Voltage Regulator Module (DC24-24V)
Voltage Reduction Module (DC24-12V)
GX TAN140
KA1
(FAN)
Cerbo GX
victron energy
Green: Active
Orange:Disabled
WiFi Access Point
Bluetooth
Connected
Not Connected
Disabled
Relay 1
Relay 2
Power in
INPUT1
START1
START2
Controller Load
Battery
PV
Flashing Light+
Battery-
Dimming
KA3
30A
KA2
(LED灯)
QS6 Schneider C6A
QS3 Schneider C16A
QS7 Schneider C16A
QS8 Schneider C16A
QS9 Schneider C16A
QS1 Schneider C63A
QS2 Schneider C63A
QS4 Schneider C16A
(Ctrl SEC)
(Lamp)
(DC48V)
(DC24V)
(DC12V)
(PV)
(Battery)
(Charger Input)
L1
N1
iMX
QS10 Schneider C80A
QS5 Schneider C63A
(Gen)
(Charger Output)
C1
C2
Victron Solar Charger
SmartSolar charge controller
MPPT 150 | 45