ABSTRACT

According to one embodiment, a power supply controller includes an external power supervisor that determines whether a voltage value of the external power source is equal to or lower than a certain first reference voltage value, a first switch that switches from the external power source to the capacitor to supply the power to the system controller when the external power supervisor determines that the voltage value of the external power source is equal to or lower than the certain first reference voltage value, a capacitor supervisor that determines whether a charge level of the capacitor is equal to or lower than a certain reference charge level, and a second switch that switches from the capacitor to the battery to supply the power to the system controller when the capacitor supervisor determines during the power supply from the capacitor that the charge level of the capacitor is equal to or lower than the certain reference charge level.