

CASES	SHADOW	LOAD	CHARGING BATTERY	DISCHARGING BATTERY	OTHER
Case1	No	No	Yes	No	Only charging the battery
Case2	Yes	No	Yes	No	Only charging the battery
Case3	No	Yes	No	No	High load, only module providing energy
Case4	No	Yes	No	Yes	High load, also the battery providing energy
Case5	No	Yes	No	Yes	Sound appears, Load too high
Case6	No	Yes	Yes (Positive)	No	Energy provided by module
Case7	No	Yes	No	Yes (Negative)	Battery + panel providing energy to the load