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(54) **Control system for hybrid vehicle**

(57) A control system for a hybrid vehicle has a consumed electric power calculator (20), which calculates electric power consumption, and a battery state calculator (21), which calculates battery state SOC of a battery (5). Based on this battery state, a physical quantity per effective electric power calculator (25) calculates a physical quantity per effective power when electric power equal to or greater than consumed electric power is generated for various electric power consumption and electric power generation, and a threshold value calculator (22) obtains a threshold value having the same unit as that of the physical quantity per effective power using predetermined calculation for selecting operating modes of a generator and the battery. An operating mode selector (23) selects operating modes for an engine (1) and the battery (5) based on comparison between the above threshold value and the physical quantity per effective power corresponding to the consumed electric power, and a target generated electric power calculator (24) calculates target electric power generation. An electric power distribution controller (6) controls the engine (1) and the motor (3).

