

device_id	device_type	device_model	install_location	install_date	device_status	last_heartbeats	signal_strength	uptime_hours	real_time_power	cumulative_energy	daily_energy	monthly_energy	temperature	humidity	light_intensity	fault_time	fault_type	fault_code	fault_duration	recovery_time	fault_count_30d	maintenance_time	maintenance_type	maintenance_result	alert_type	alert_level	alert_status	maintenance_contract_id	device_health_index	energy_anomaly_level	maintenance_priority	predicted_maintenance_window	energy_saving_suggestion			
LOCK-0040	智能门锁	LM-200S	XX 酒店 7 层	2024-04-04	离线	2025-02-02 13:26	-44	2898.5	1.66	1.855	0.0112	0.351	23.6	62.8	616	0	0	能耗超标	紧急	待处理	CON-6763	78.8	中异常	3.2												
2026-03-08 至 2026-03-11 轻度优化建议：可尝试调整运行模式以进一步降低能耗																																				
LIGHT-0017	智能照明	SL-100A	XX 酒店 5 层	2023-12-09	离线	2025-08-03 17:47	-31.7	6435.4	49.99	100.521	0.8385	25.116	28.7	64.2	389	0	0	温度异常	中	处理中	CON-3091	81.6	中异常	3.6	无	需维护	建议将照明亮度从当前功率降低 33%，预计节能 53%									
EMETER-0030	能耗监测器	EM-200B	XX 酒店 6 层	2024-01-09	在线	2025-07-21 18:36	-57	5807.9	0.18	0.189	0.002	0.063	22.4	48.1	208	2025-07-07 08:36	电源故障	E-6355	367	2025-07-07 14:43	2	2025-04-04 18:36	固件升级	需跟进	设备离线	低	处理中	CON-4673	27.2	中异常	1.7	2026-03-06 至 2026-05-24	运行正常，无需优化			



device_id device_type device_model install_location install_date device_status
last_heartbeats signal_strength uptime_hours real_time_power cumulative_energy
daily_energy monthly_energy temperature humidity light_intensity fault_time
fault_type fault_code fault_duration recovery_time fault_count_30d
maintenance_time maintenance_type maintenance_result alert_type alert_level
alert_status maintenance_contract_id device_health_index energy_anomaly_level
maintenance_priority predicted_maintenance_window energy_saving suggestion

