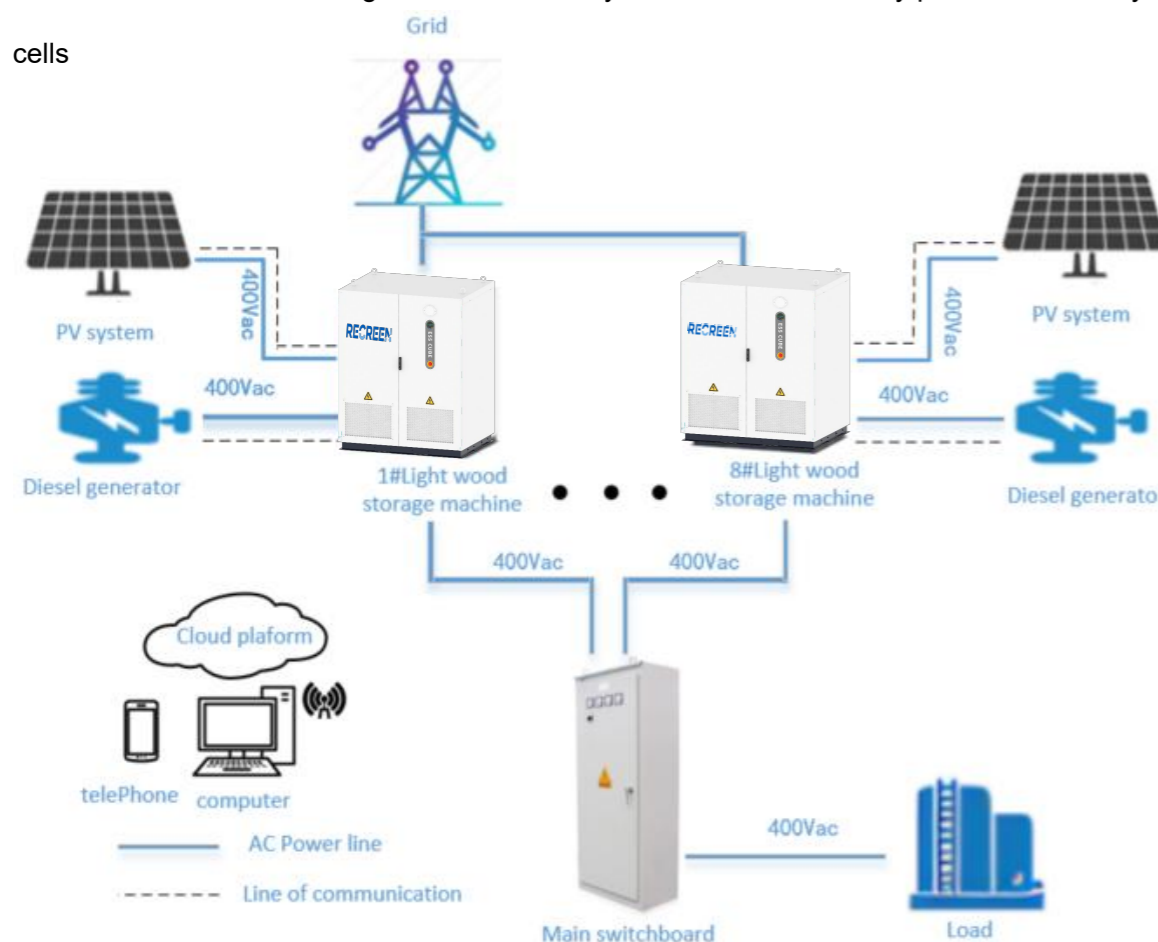


## 250kW~1000kW Integrated Solar-Storage-Diesel Machine

### Performance Characteristics

- Application scenarios of hybrid solar-diesel-storage system, supporting collective access to diesel generators, photovoltaics, energy storage, loads, power grids, etc
- Multiple MPPT interfaces, rich photovoltaic interfaces, single photovoltaic supports up to 250kW input, and supports up to 10 photovoltaic storage integrated machines in parallel
- Single unit maximum 125kW load end AC output power
- Flexible support for off grid connection, seamless switching between VF/PQ supported
- Multiple electrical protections, proactive warning, proactive protection
- Rich protection functions, supporting islanding protection, overcurrent protection, reverse connection protection, surge protection and other functions
- Bidirectional active balancing scheme effectively solves the consistency problem of battery cells



### Technical Parameter

Product Model	L261-M	L522-M
Maximum Battery Capacity	261.248kWh	522.496kWh
Maximum Photovoltaic Power	250kW	
Maximum Battery Power	125kW	
Maximum Generator Power	125kW	
Maximum Output Power	125kW	
Rated Voltage	3/N/PE, 220V/380V, 3/N/PE, 230V/400V	
Output Current	189.9A/180.4A	
Maximum Bypass Current	250A	
Rated Frequency	50/60Hz	
Off Grid Switching Time	<10ms	
MPPT Voltage	150~950V	
MPPT Quantity	10*20	
Maximum Photovoltaic Current	10*42A	
Maximum Charging Efficiency	97.6%	
Cell	LFP-3.2V-314Ah-1004.8Wh	
Battery Voltage Range	715V~923Vdc	
Maximum Current of Battery	100A*2	
Battery Cell System Lifespan	8000次@25°C, 0.5CP, 95%DOD, ≥70%EOL	
Battery Cycle Efficiency	88%	90%
Generator Current	189.9A/180.4 A	
Generator Voltage	3/N/PE, 220V/380V, 3/N/PE, 230V/400V	
Protection Function	Island protection, overcurrent protection, short circuit protection, reverse connection protection, surge protection, etc	
BMS Topology	Bidirectional active equilibrium	
Communication Interface	RS485/CAN/Ethernet/MQTT	
HVAC	Intelligent liquid cooling	
Fire Suppression System	Fire detector+gas/smoke/temperature detection+perfluorohexane	
Isolation Method	Non-Isolated	
Cable Entry	Lower outgoing line	
Altitude	≤4000m (>3000m Derating)	
Operating Temperature	-20~55°C	
Protection Rating	IP55	
Max Configuration Weight	3T	7T
Dimensions W*D*H	1000*1250*2300mm	2000*1250*2300mm
Product Certification	GB/T36276、GB44240、GB/T34131、IEC62619、IEC62477、IEC61000、UN38.3 GB/T 29319, G98 或 G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15 / VFR:2019, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA	
Power Grid Standards		