Cell Amrecan

Split Off Grid Hybrid Inverter



Lithium communication

Photovoltaic+ mains charging

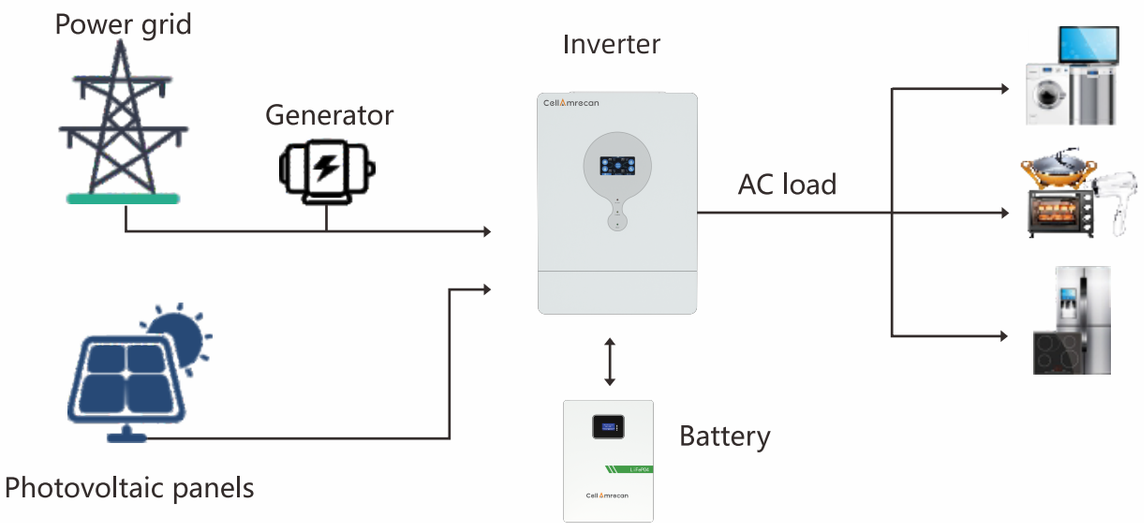
Eight major protection functions

Pure sine wave output

Product features

1. Advanced SPWM technology, pure sine wave output
2. Automatic activation of lithium batteries
3. Three output modes: photovoltaic, inverter, and mains bypass
4. Four charging modes including photovoltaic, mains, photovoltaic priority, and hybrid charging
5. Advanced MPPT technology with an efficiency of up to 99.9%

Product Connection Diagram



Product Parameters

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Model	CA-SP7.2KW	CA-SP10KW	CA-SP12KW
AC/Generator input			
Rated input voltage	120Vac(L1/N, L2/N)/240Vac(L1/L2)		
Voltage range	(85Vac~140Vac)±2%		
Frequency	50Hz/60Hz (Auto detection)		
Inverted output			
Rated power	Split phase 72000W; single phase 6000W (limited by the wiring terminals)	Split phase 10000W; single phase 7200W (limited by the wiring terminals)	Split phase 12000W; single phase 7200W (limited by the wiring terminals)
Output voltage	120Vac(L1/N, L2/N)/240Vac(L1/L2)		
Waveform	Pure sine wave		
Switching time (adjustable)	10ms (typical)		
Peak power	Split phase 10800W; Single phase 10800W	Split phase 15000W; Single phase 15000W	Split phase 18000W; Single phase 18000W
Battery			
Battery type	Lithium ion batteries/lead-acid batteries		
Rated battery voltage	51.2V (Minimum starting voltage 44V)		
Battery voltage range	40~58.6Vdc		
PV input			
PV charging meth	MPPT		
PV maximum input power	4500W+4500W	5500W+5500W	6000W+6000W
Maximum PV Input Current	16A+16A	22A+22A	
MPPT tracking range	90-450VDC		
Maximum PV charging current(can be set)	150A	200A	220A
Maximum AC charging current	120A	120A	160A
Maximum total charging current	150A	200A	220A
Basic parameters			
Communication interface	USB/RS485(/WiFi/GPRS)/ Dry node control		
Parallel interface	Maximum of 6 parallel machines (optional)		
Product size (mm)	580*359*127	620*450*132	620*450*132
Product size (mm)	696*483*214	768*564*234	768*564*234
NW. (kg)	15.9	24.3	24.3
GW. (kg)	18.9	27.45	27.45