

# RESS-US-5096/80192-DS more powerful, more efficient

New intelligent platform use new energy



## KEY FEATURES



24-hour clean energy supplying



Flexible design, easy to scale up



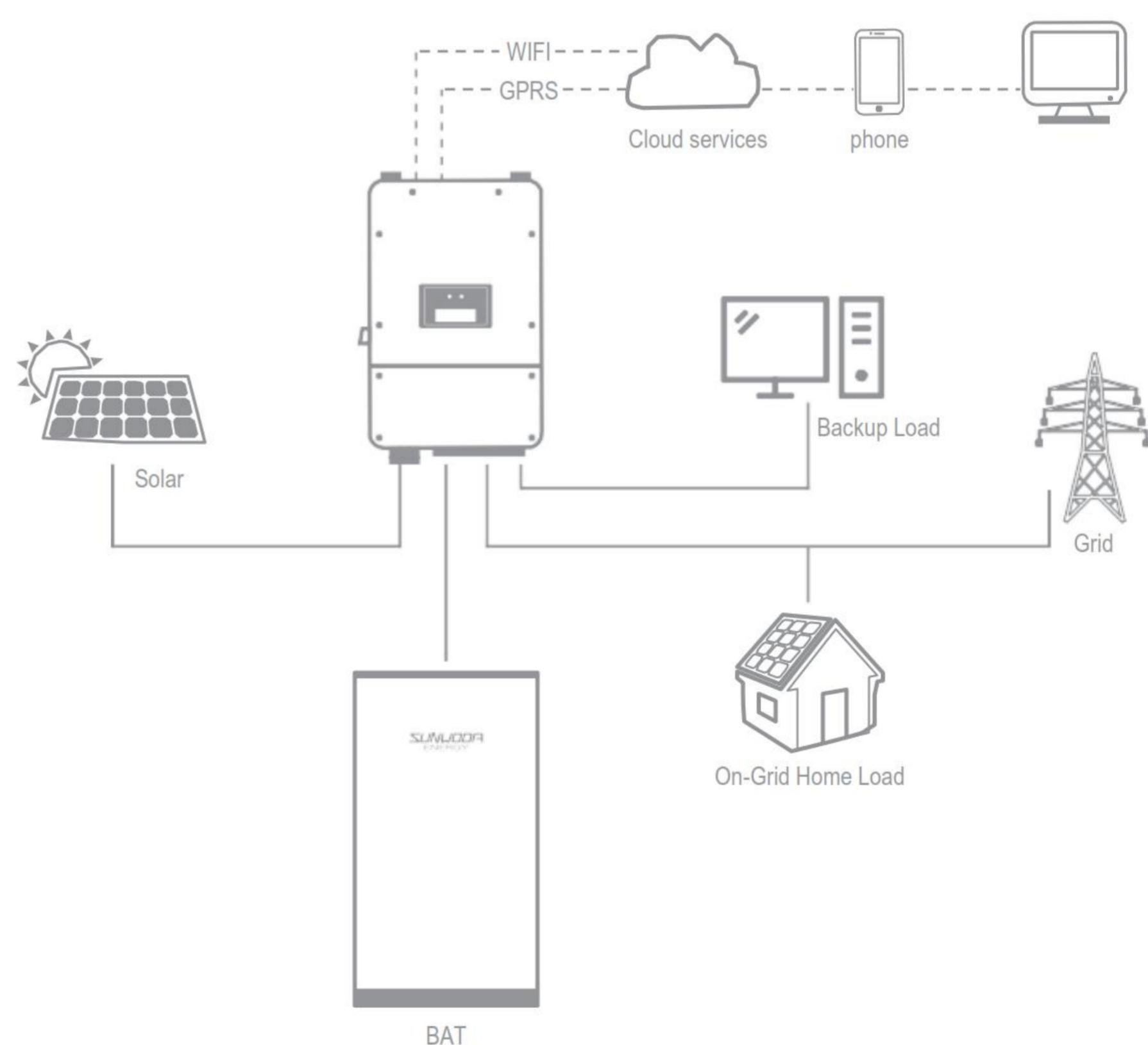
Automatically on/off-grid switch



Real-time monitoring at anywhere via app



Fast, easy installation



## SPECIFICATIONS

System capacity	5kW-9.6kWh	8kW-19.2kWh
<b>Battery</b>		
Battery capacity	200Ah	400Ah
Rated voltage	48V	
Voltage range	42~51.5V	
Max. charging current	100A	150A
Max. discharge current	120A	190A
<b>PV string input</b>		
PV input max. power	6500W	10400W
PV input voltage range	370V (100V~500V)	
MPPT voltage range	125V~425V	
PV input current	11A+11A	18A+18A
Number of MPPT	2	
<b>Efficiency</b>		
Max. Efficiency	97.6%	
Euro Efficiency	97.0%	
MPPT Efficiency	99.0%	
<b>AC output</b>		
Rated output power	5000W	8000W
Max. output power	5500W	8800W
Peak power(off-grid)	2 times of rated power @10s	
Rated output current	20.8A	33.4A/35A
Max. output current	24A	38.3/40A
Output voltage	120/240Vac (split phase)	
Output frequency	50/60Hz (45-55Hz/55-65Hz)	
Current harmonics	THD<3% (Linear load <1.5%)	
<b>General</b>		
Working temperature	-10℃ ~45℃	
Cooling mode	Fan	
Size (W*H*D, mm)	570*1150*285 (Battery cabinet); 420*680*233 (PCS)	
Weigh	150kg (Battery cabinet), 32kg (PCS)	
Humidity	≤95%RH	
Altitude	≤2000m	
Protection level	IP55 (Battery cabinet), IP65 (PCS)	
Communication with BMS	RS485/CAN	
Authentication certificate	UN38.3, UL1973 (Battery) UL1741, IEEE1547, FCC 15 class B (PCS)	