

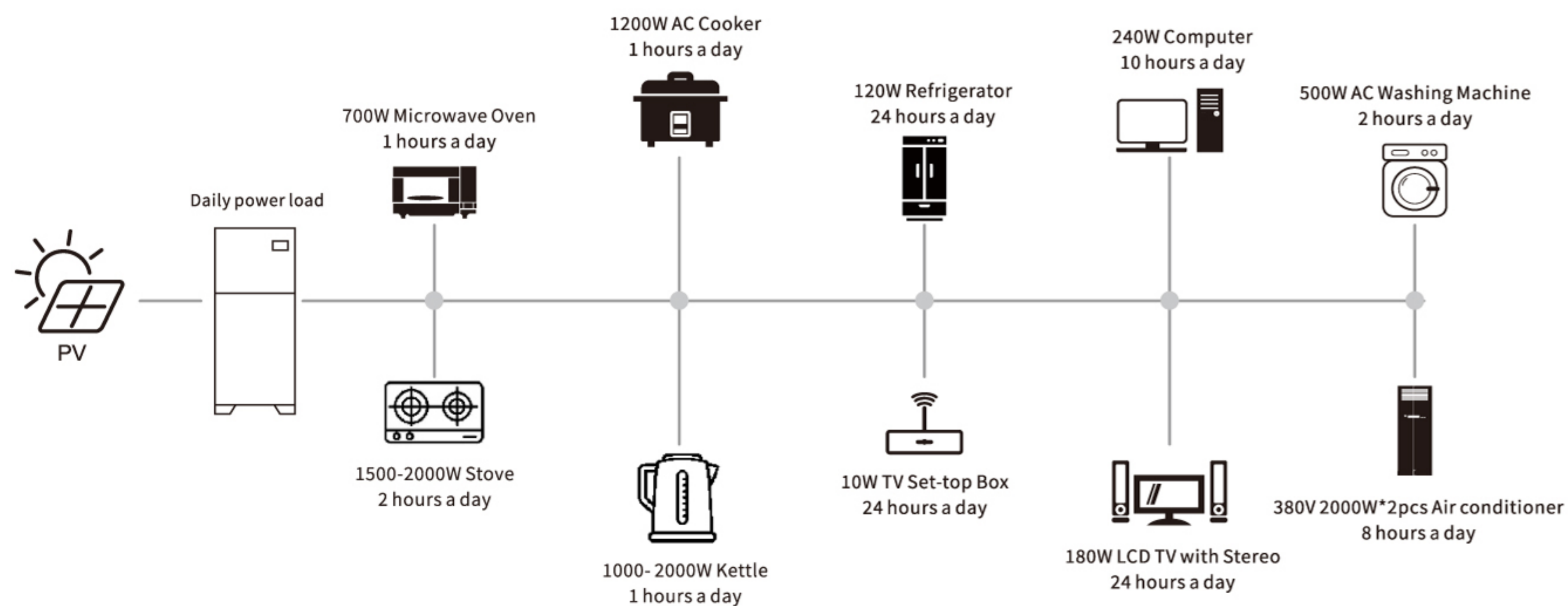
# SOLAR ENERGY SYSTEM

FLOOR OR WALL MOUNTED DESING

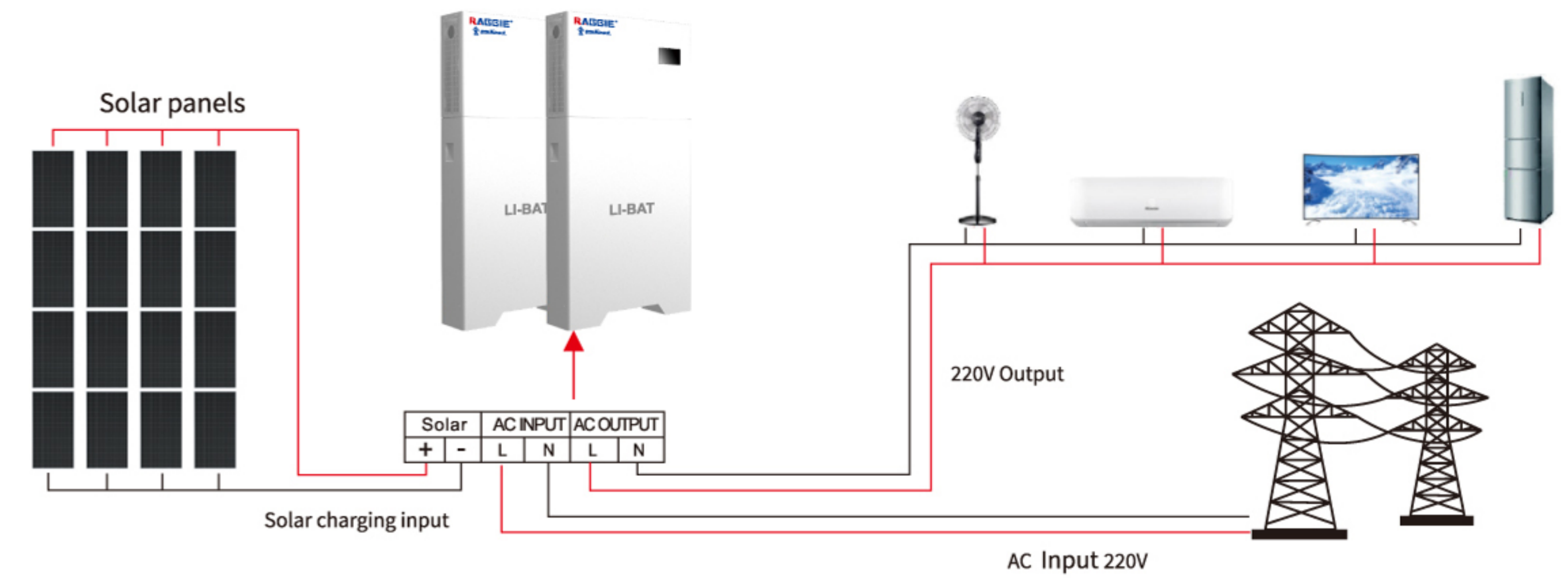
**RG-ME-SERIES**



## DAILY LOAD



## SOLAR SYSTEM CONNECTION



LITHIUM BATTERY MODEL		RG-ME5KWH/25.6V	RG-ME10KWH/51.2V
Nominal/Rated Energy		5120WH	10240WH
Battery Type		LiFePO4	
Nominal Voltage		25.6V	51.2V
Nominal/Rated Capacity		200AH	200AH
Rated Discharge Current:		120A	
INVERTER MODEL		RG-ME3KW/24V	RG-ME5KW/48V
Parallel Connect	Max Parallel Connection Allowed	/	9
Utility Mode	Input Voltage	170~280Vac	170~280Vac
	Frequency	40~70Hz, Default	40~70Hz, Default
	Overload/short circuit protection	The bypass circuit breaker (20 A)	The bypass circuit breaker (40 A)
	Maximum efficiency	99.5%	99.5%
	Conversion time(bypass and inverter)	<10mS	
	Biggest bypass overload current	20A	40A
Inverter Mode	Output voltage waveform	Pure sine wave	
	Rated output power (W)	3KVA	6KVA
	Power factor	0.9PF	1PF
	Rated output voltage (Vac)	208/220/230/240 Vac (Settable)	Default 230V
	Output frequency range (Hz)	50.0 / 60.0 Hz (Settable)	Default 50 Hz
	Maximum efficiency	>93%	>94.5%
	Overload Capacity	1min@102%-110% Load 10s@110%-130% Load 3s@130%-150% Load 0.2s@>150% Load	
Utility Charging	Battery voltage	25.6V	51.2V
	Compatible battery type	Lead-acid/lithium electricity	
PV/Battery Charging	Maximum charging current(can be set)	50A	80A
	Type of controller (PV)	PWM	MPPT
	Largest PV open circuit voltage	85V	500V
	PV operating voltage range	30-80V	120-430V
	Largest PV input current	50A	18A
	Largest PV power input	/	5500W
Biggest mixed charging current (PV+ AC)	Solar charging current range (can be set)	10~50A	2~80A
	The biggest mixed charging current (can be set)	100A	80A