



Growatt Storage Plus

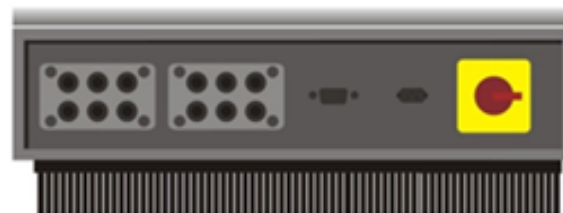
Marketing Dept. Jun
2014

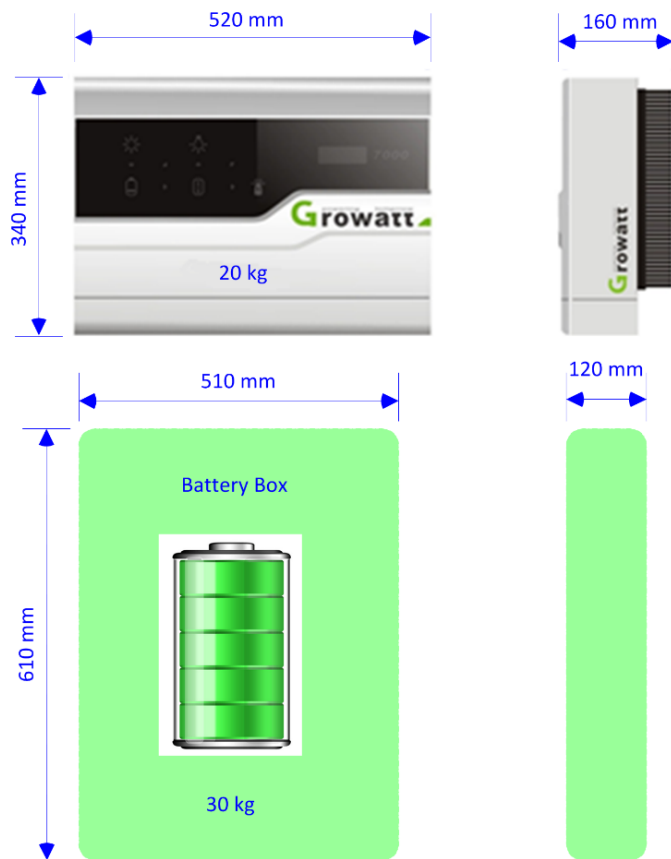


Growatt SP 2000

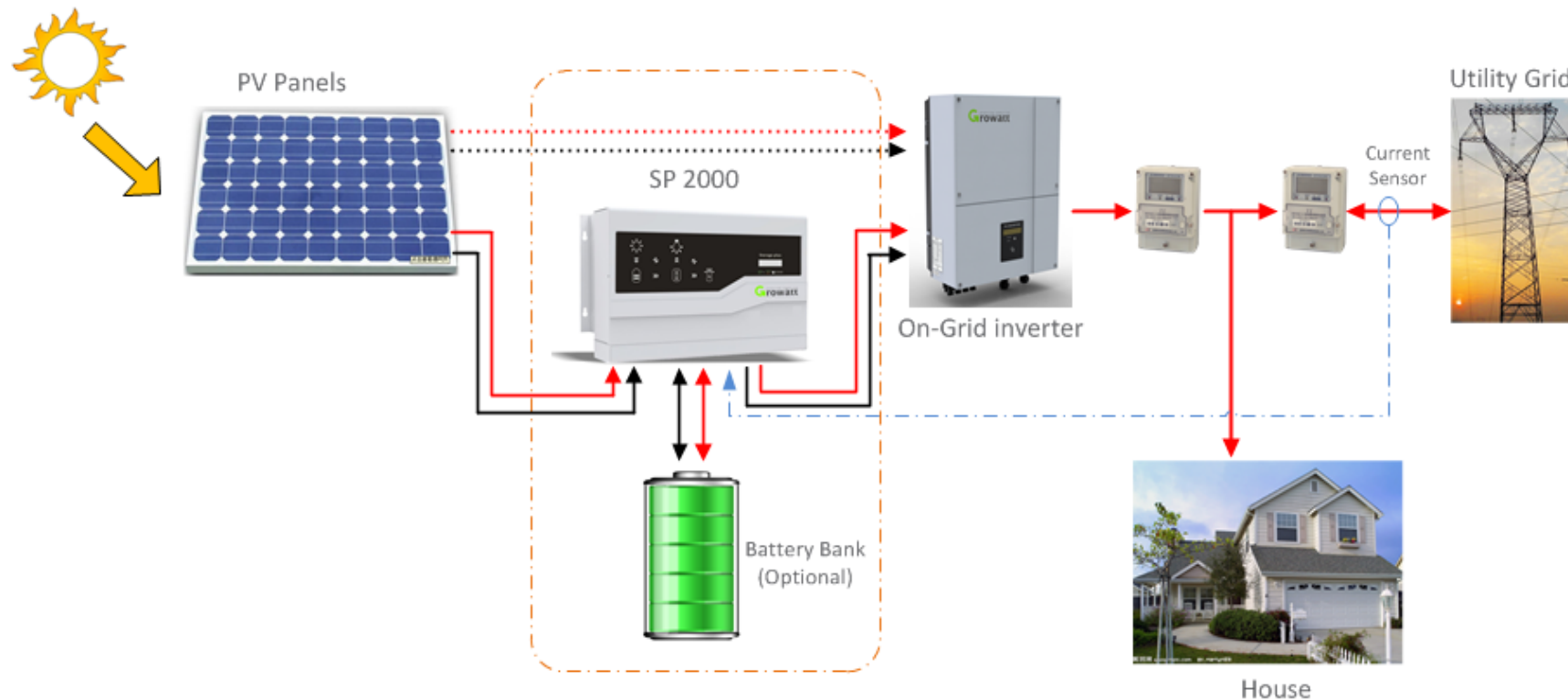
Features:

Charge power	2000W
Dimension (W X H X D)	520*340*160 mm
Weight	20 kg (without batteries)



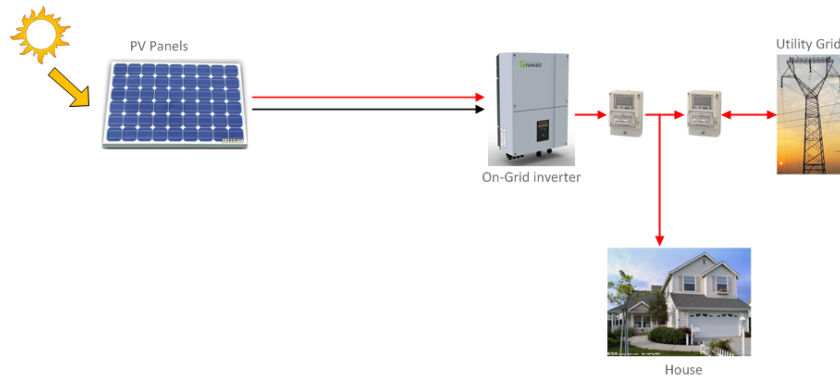


Overview of storage product installed

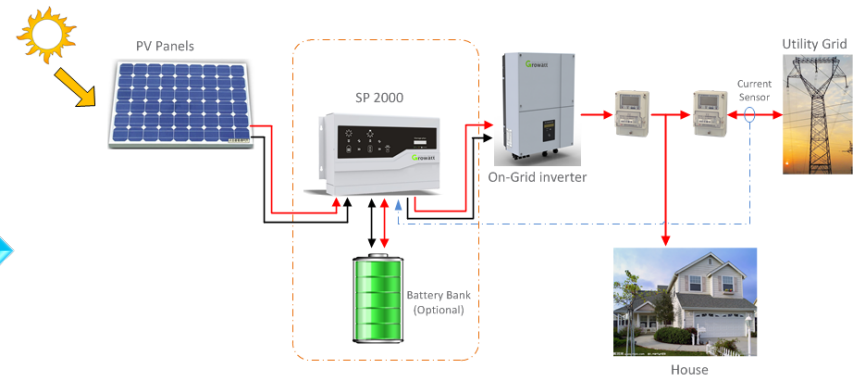


Storage System Block Diagram

Advantage 1: Add into the installed PV plant

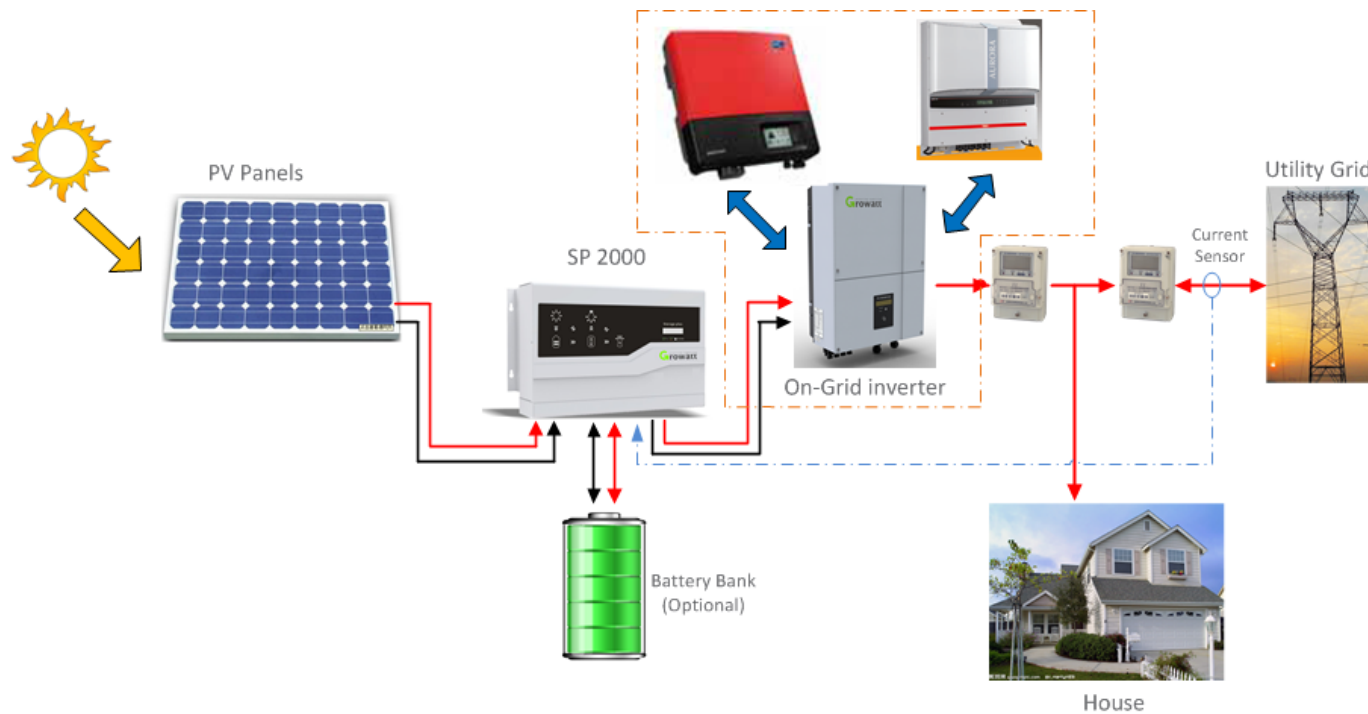


PV Installation without Battery



PV Installation with Battery

Advantage 2: Can be compatible with other brands inverters



Parameters of Battery

Battery kind :	Lead-acid /Lithium
Capacity of battery	48V / 90 - 200AH
Electricity consumption	2 - 9 kWh
Deep of discharge	50% / 80% DOD
Battery voltage range	44V - 58VDC
Max. charging voltage	58VDC
Max. discharging current	≤45A
Max. charging current	≤45A

Recommended battery:

Lithium battery with 48V/100AH

4 kWh per night

Parameters of SP-2000

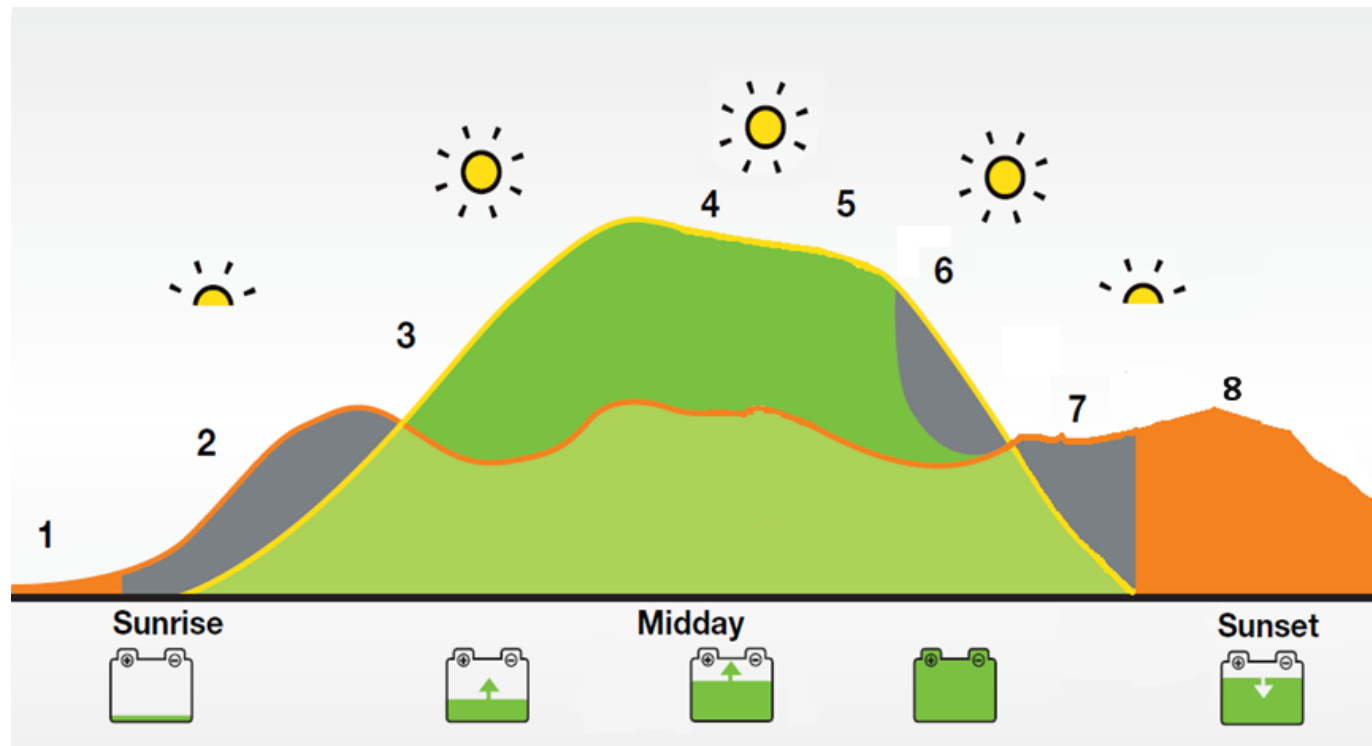
Input DC voltage range	100-580VDC
Max SP input current	30A
Max input and output power	2000W
Output DC voltage range	150-550VDC
Rated output voltage	380VDC
Max output current	13A
MPPTs/Strings per MPPT	1 / 3
Output strings	3

Other parameters

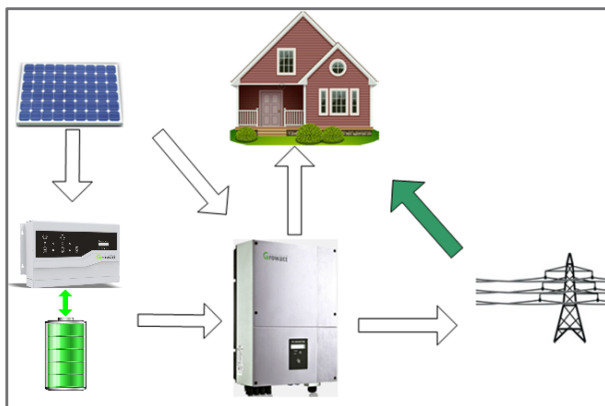
Warranty	5 years
Communication	RS232/Ethernet (opt) / WIFI (opt)
Display	LED+LCD
Operating temperature range	-10°C~+40°C
Environmental Protection Rating	IP20 (indoor use)
Cooling concept	Natural
Noise emission	≤40dB (typical)
Certificates	CE



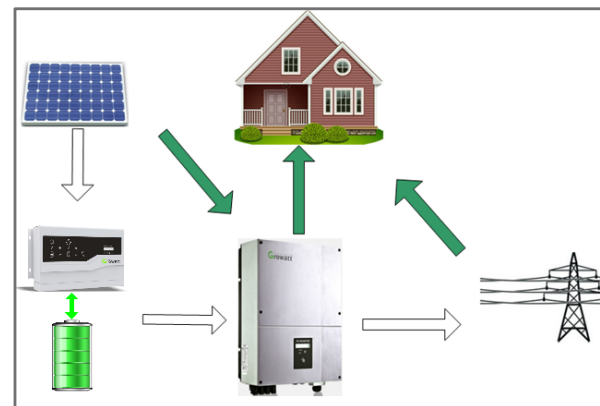
8 modes



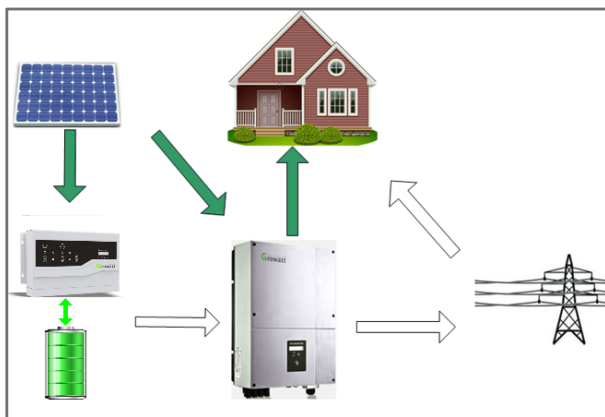
Mode 1



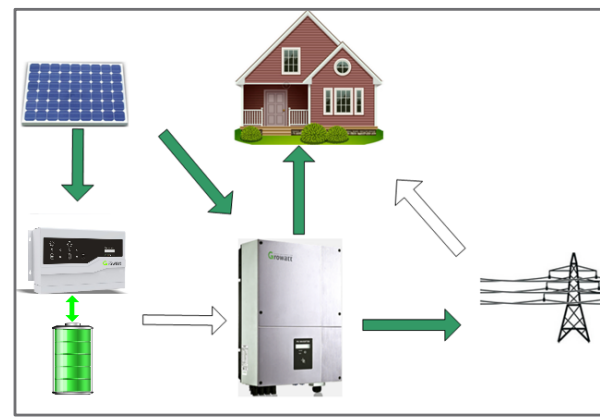
Mode 2



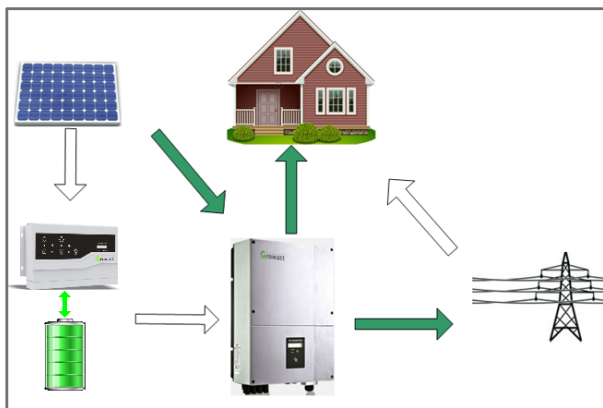
Mode 3



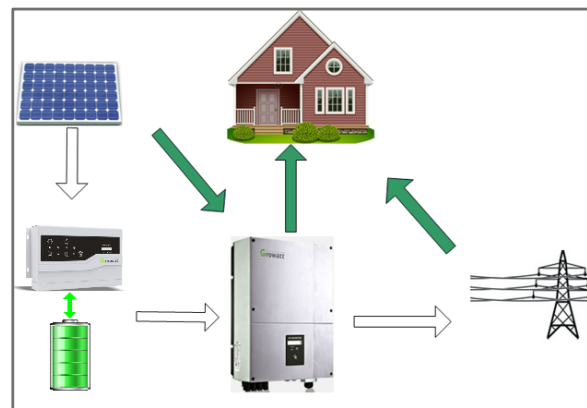
Mode 4



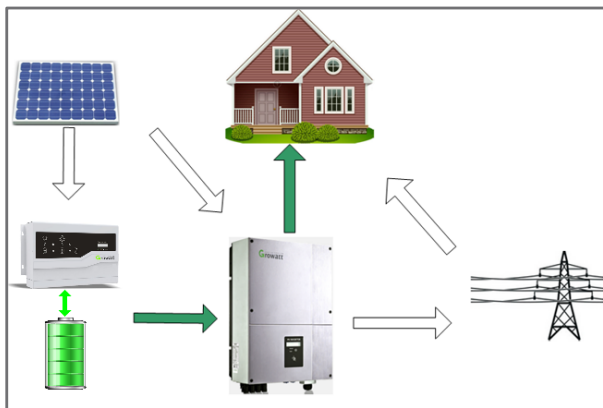
Mode 5



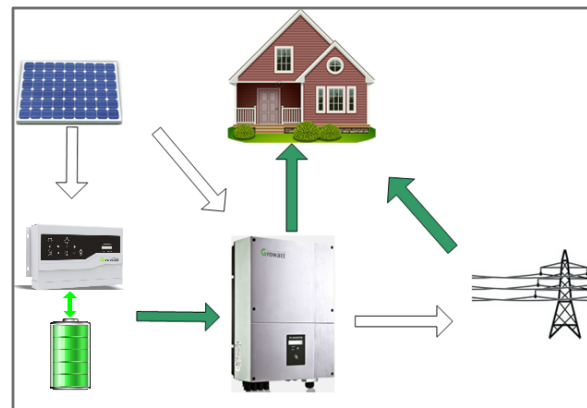
Mode 6



Mode 7



Mode 8



Monitoring System of SP

