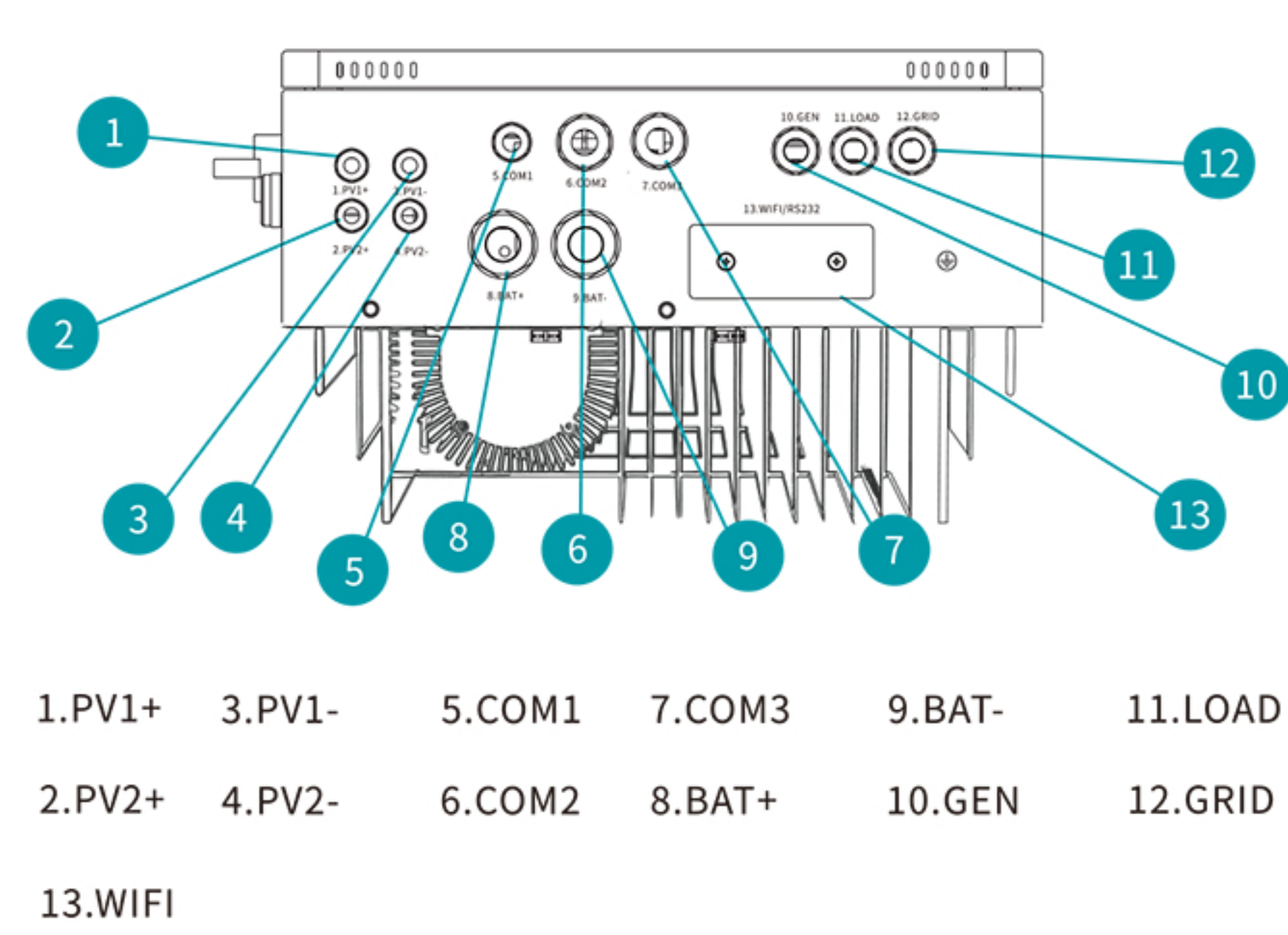


Hybrid Inverter

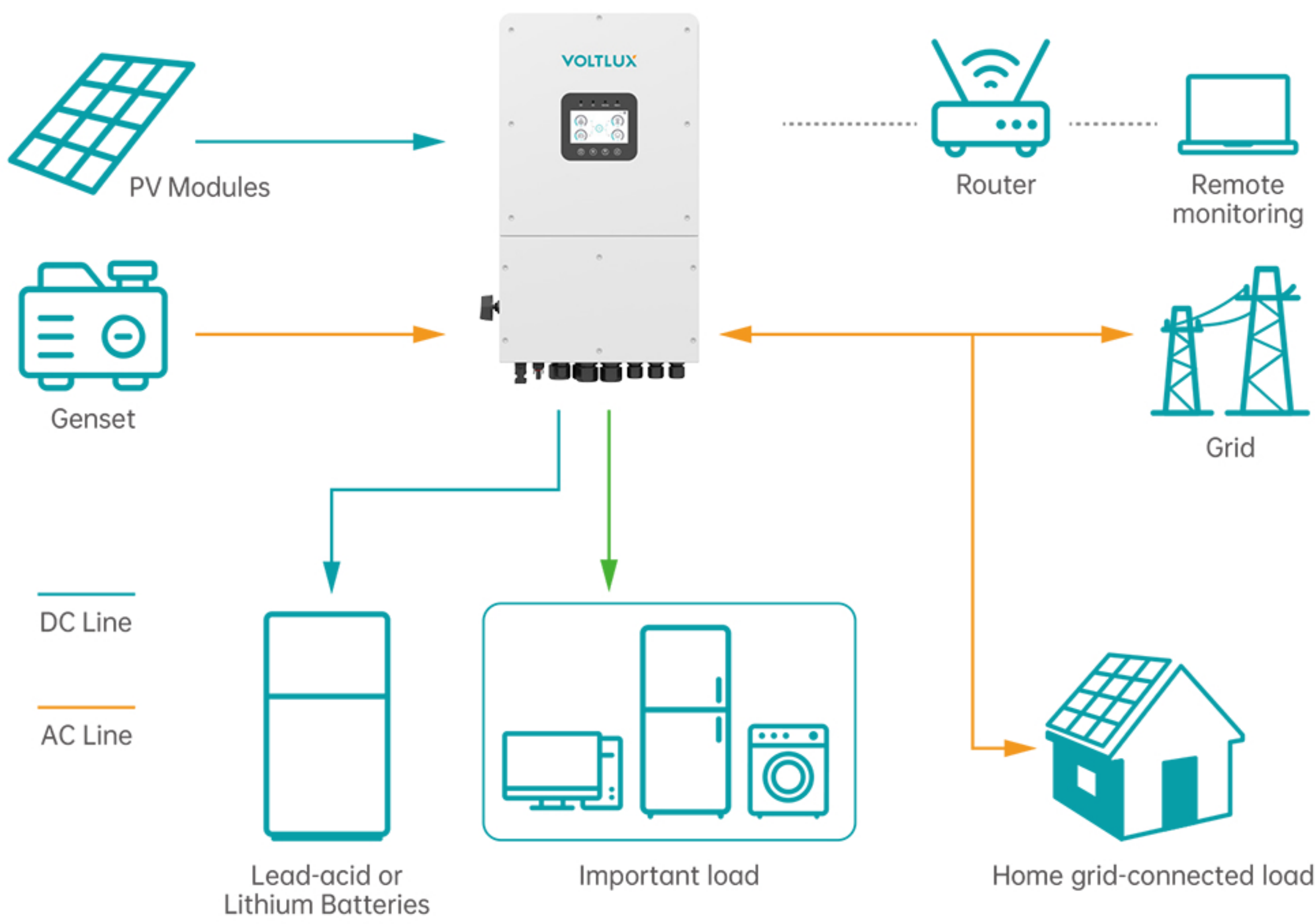
6KW Single-phase LV Series

- Support storing energy from diesel generator
- 6 Time periods for battery charging/discharging
- Max. Charging/discharging current 190A
- Support storing energy from diesel generator
- 6 Time periods for battery charging/discharging
- Colorful touch lcd, IP65

Product Characteristics



Application System Diagram



Technical Properties

Model		6
PV String Input		
Max. DC Input Power (W)		7800
Rated PV Input Voltage (V)		370 (125~500)
Start-up Voltage (V)		125
MPPT Voltage Range (V)		150~430
Full Load MPPT Voltage Range (V)		300~430
Max. DC Input Current(A)		20+20
Max. DC Short Circuit Current(A)		22+22
No.of MPPT Trackers		2
No.of Strings per MPPT Tracker		1+1
AC Output		
Rated AC Output Power (W)		6000
Max AC Output Power (W)		6600
AC Output Rated Current (A)		27.3
Max AC Output Current (A)		30
Max.Continuous AC Passthrough (A)		40
Peak Power (off grid)		2 tims of rated power, 10S
Power Factor		0.8 leading - 0.8 lagging
AC Output Frequency and Voltage		50/60Hz; L/N/PE 220/230Vac
Grid Type		Single Phase
Total Harmonic Distortion (THDi)		<3% (of nominal power)
DC Current Injection		<0.5% (Rated Current)
Battery Input		
Battery Type		Lead-acid or Lithium-ion
Battery Voltage Range (V)		40~60
Max. Charging Current (A)		135
Max. Discharging Current (A)		135
External Temperature Sensor		Yes
Charging Curve		3 Stages / Equalization
Charging Strategy for Li-Ion Battery		Self-adaption to BMS
Efficiency		
Max PV Conversion Efficiency		97.60%
European Efficiency		96.50%
MPPT Efficiency		99.90%
Protection		
Anti-islanding Protection		Yes
PV String Input Reverse Polarity Protection		Yes
Insulation Resistor Detection		Yes
Residual Current Monitoring Unit		Yes
Output Over Current Protection		Yes
Output Shorted Protection		Yes
Surge Protection		DC Type II/AC Type III
Over Voltage Protection		Yes
Certifications and Standards		
Grid Regulation		IEC61727/EN50549-1
Safety EMC / Standard		IEC/EN 61000-6/2/4, IEC/EN 62109-1, IEC/EN 62109-2
General		
Operating Temperature Range (°C)		-40~60°C, >45°C Derating
Cooling		Smart Cooling
Noise (dB)		≤50 dB
Communication with BMS		RS485; CAN
Monitoring mode		WIFI, APP
Weight (kg)		31
Size (W x H x D mm)		580x330x252mm
Protection Degree		IP65
Installation Style		Wall-mounted
Warranty		5 Years (10Years Optional)