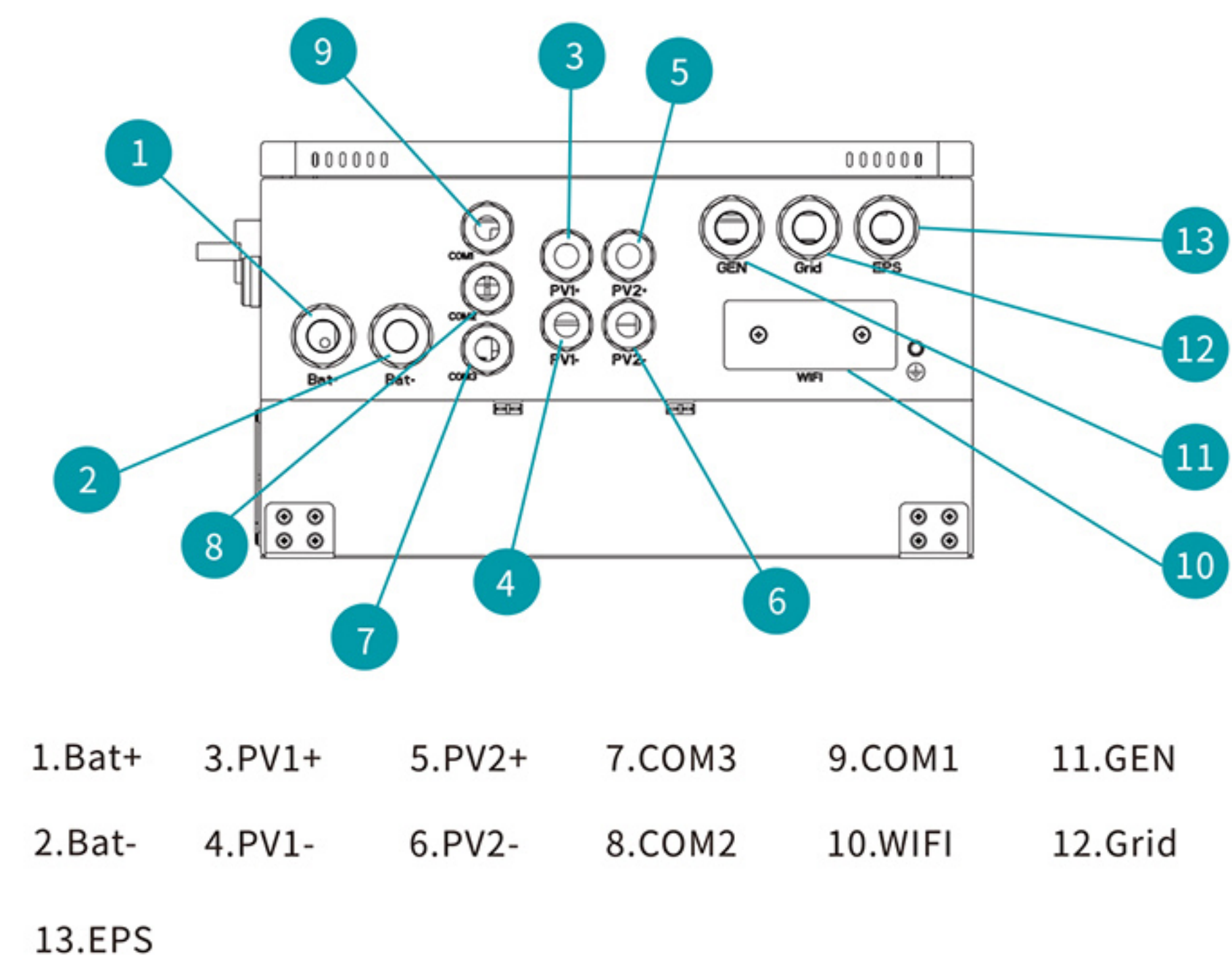


Hybrid Inverter

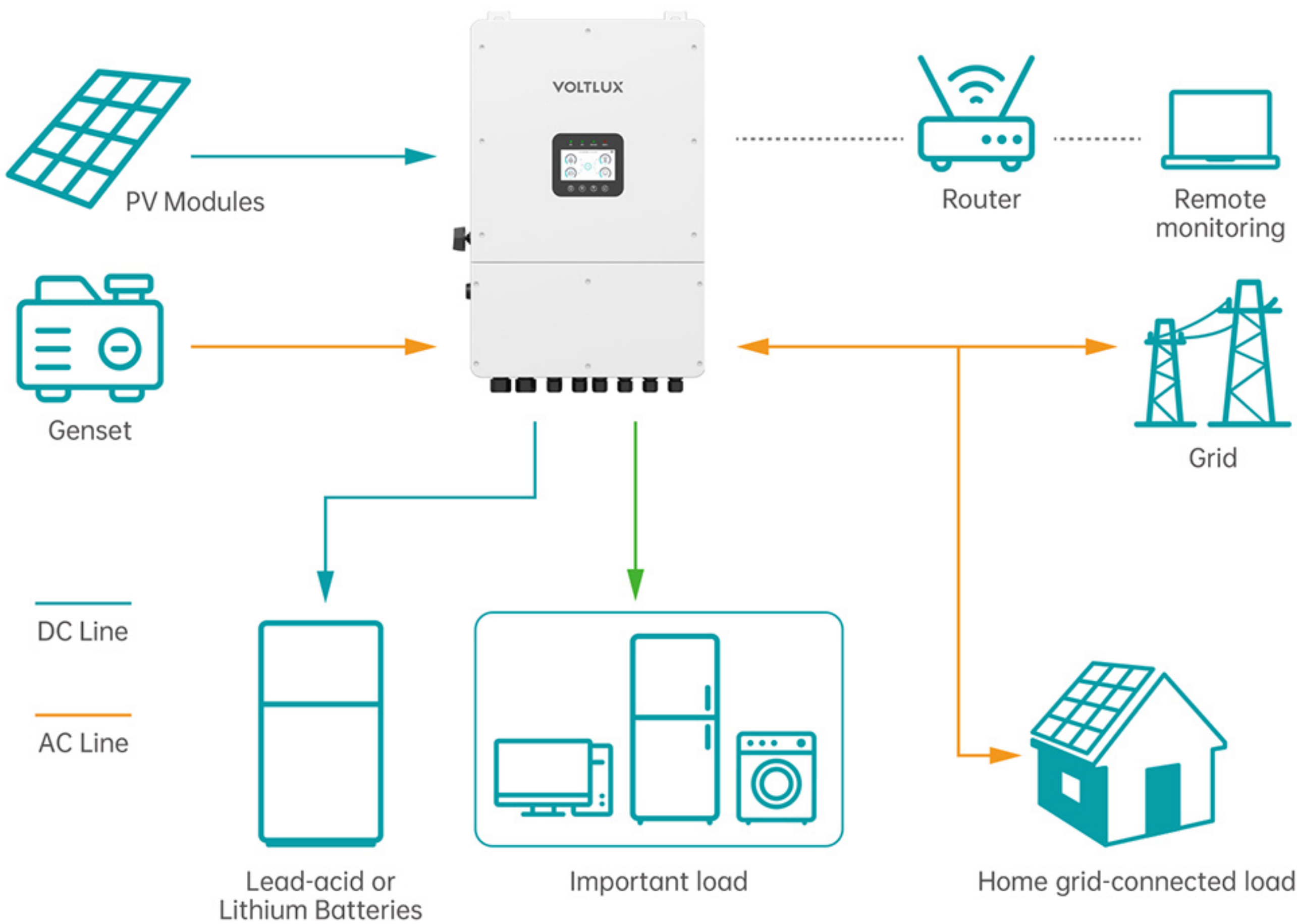
8KW Single-phase LV Series

- 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	8
PV String Input	
Max. DC Input Power (W)	10400
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)	200~430
Max. DC Input Current(A)	26+26
Max. DC Short Circuit Current(A)	34+34
No.of MPPT Trackers	2
No.of Strings per MPPT Tracker	2+2
AC Output	
Rated AC Output Power (W)	8000
Max AC Output Power (W)	8800
AC Output Rated Current (A)	36.4
Max AC Output Current (A)	40
Max.Continuous AC Passthrough (A)	50
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)	190
Max. Discharging Current (A)	190
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)	630x413x258mm
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 Years (10Years Optional)