SSP3119C Series
On-Grid Inverter with Energy Storage

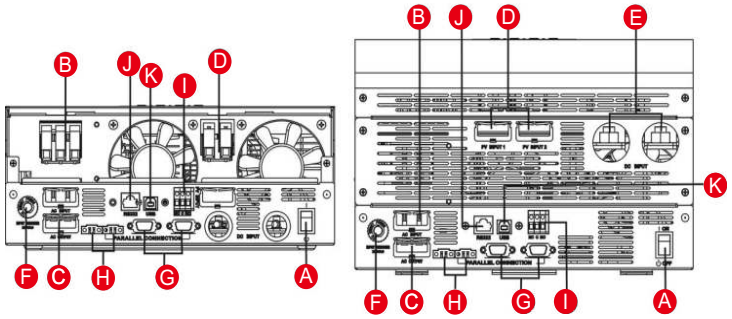
3-5kW

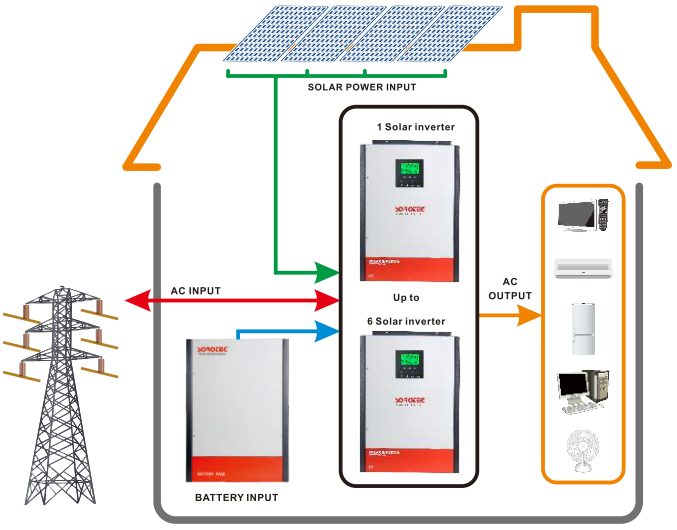
Product Snapshot

Model:3-5kW
Nominal Voltage : 220/230/240 VAC
Nominal Frequency: 50Hz/60Hz

Key Features:

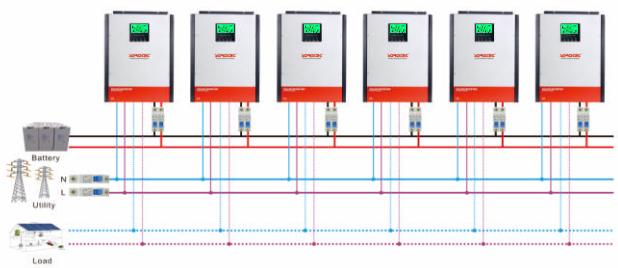
- ■Pure sine wave output
- ■Self-consumption and Feed-in to the grid
- ■Programmable supply priority for PV, Battery or Grid
- ■User-adjustable charging current and voltage
- ■Monitoring software for real-time status display and control
- ■Parallel operation up to 6 units only for 3k/4k/5k models
- ■Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup



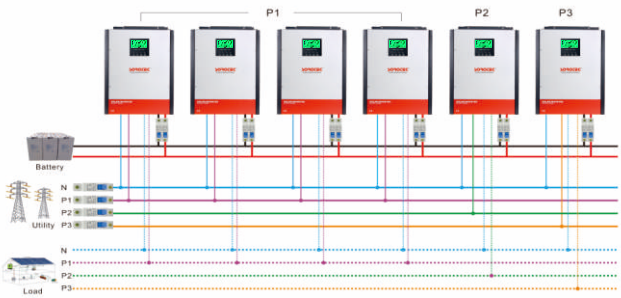


- Ⓐ Power on/off switch
- Ⓑ Grid connectors
- Ⓒ AC output connectors(Load connection)
- Ⓓ PV connectors
- Ⓔ Battery connectors
- Ⓕ Circuit breaker
- Ⓖ Parallel communication cable
- Ⓗ Current sharing cable
- Ⓘ Dry contact
- Ⓙ RS-232 communication port
- Ⓚ USB communication port

■Single phase output up to 30kw using 6 units



■Three phase output using either 3 units (15kw) or max 6 units (30kw)



SSP3119C Series

Wall Mounted Integrated Solar Power Inverter Technical Specification
Built-in MPPT Solar Controller

MODEL	3k-48	4k-48	5k-48
Max. PV Array Power	4000W	4000W	6000W
Rated Output Power	3000W	4000W	5000W
Maximum PV Array Open Circuit Voltage	145VDC	145VDC	145VDC
MPPT Range @ Operating Voltage			
MPP Tracker Number	1	1	2
GRID-TIE OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Voltage Range	184 - 264.5 VAC		
Nominal Output Current	13A	17A	21.7A
Power Factor	> 0.99		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	90%		
OFF-GRID, HYBRID OPERATION			
GRID INPUT			
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
Maximum AC Input Current	40A		
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	93%		
BATTERY & CHARGER			
Nominal DC Voltage	48VDC	48VDC	48VDC
Maximum Solar Charge Current	80A	80A	120A
Maximum AC Charge Current	60A		
Maximum Charge Current	140A	140A	180A
GENERAL			
INTERFACE			
Parallel Function	YES	YES	YES
Communication	USB or RS232/Dry-Contact		
ENVIRONMENT			
Humidity	0 ~ 90% RH (No condensing)		
Operating Temperature	0 to 50°C		

STANDARD:EN 62109-1:2010 EN 62109-2:2011 EN 62040-1:2008+A1:2013 IEC 62109-1:2010 IEC 62109-2:2011

Note:Product specifications are subject to change without further notice.