

### Split Phase Hybrid Inverter

120/240V Split Phase  
120/208V 2/3 Phase  
240V Single Phase



<b>SPZ HI-7.5KW-LV</b>	5kW AC	7.5kW PV
<b>SPZ HI-12KW-LV</b>	8kW AC	12kW PV
<b>SPZ HI-15KW-LV</b>	10kW AC	15kW PV

## Spitzer Energy Hybrid Inverters (Split-Phase)

Spitzer Energy's Hybrid Inverter works with solar, batteries, the grid, and external generators. We support grid-tied solar, battery supported utility rate reduction, and emergency back-up options including on-grid and off-grid solutions.

### Key Features

#### Friendly & Flexible

- Automatic self-consumption (solar, battery, grid)
- Time-of-use for utility rate reduction
- Grid tied (with or without battery)
- Emergency back-up (automatic transfer in case of power failure)
- Off grid capability
- Closed-loop battery management system
- Easy to set-up (includes monitoring App)

#### Powerful & Expandable

- 4 MPPT trackers
- Connects up to 3 inverters in parallel (24-30kW AC)
- Connect up to 40kWh of LifePo4 batteries
- 190-210 Amp pass-through (charge/discharge)

#### Safe & Reliable

- Standard Warranty (10 yrs) Extended (20 yrs)
- Passed UL1699B, IEEE1547, CPUC Rule21, SRD V2.0, UL1741 SA, UL1741 SB, CEC, 9540A



## Technical Specifications

Spitzer Energy Hybrid Inverters (Split-Phase)

Technical specification	SPZ HI-7.5KW-LV	SPZ HI-12KW-LV	SPZ HI-15KW-LV
<b>AC output</b>			
Rated output power (kVA)	5	8	10
Max. apparent Power (kVA)	5.5	8.8	11
Max. output current (A)	20.8	33.3	41.7
Ac output voltage (V)	120/240(split phase), 208(2/3 phase),240 (single phase)		
Frequency (Hz)	50/60		
PF	0.8lagging-0.8leading		
THDi	<3%		
AC output topology	Split phase, 2/3 phase, single phase		
<b>Input (PV)</b>			
Max. power (kW)	7.5	12	15
Max. DC voltage (V)	500		
MPPT voltage range (V)	120~500		
Max. Input current of single MPPT (A)	14		
MPPT tracker/strings	4/1		
<b>Battery</b>			
Battery voltage range (V)	40~58		
Max. charging voltage (V)	58		
Max. charge/discharge current (A)	120/120	190/190	190/210
Battery type	lithium /Lead-acid		
Communication interface	CAN/RS485		
<b>EPS output</b>			
Rated power (kVA)	5	8	10
Rated output voltage (V)	120/240 (split phase), 208 (2/3 phase), 240 (single phase)		
Rated output current (A)	20.8	33.3	41.7
Rated frequency (Hz)	50/60		
Automatic switching time (ms)	<20		
THDu	<2%		
Overload capacity	52.125A for 60S, 60.78A for 10S, 62.55A for 1S		
<b>General data</b>			
Max. efficiency	≥98.2%		
CEC efficiency	≥97.2%		
Ingress protection	IP65/NEMA 3R		
Noise emission (dB)	<29		
Operation temperature (°F)	-13°F ~ 140°F (>45 Derating)		
Cooling	Forced air		
Relative humidity	0 ~95% (on-condensing)		
Operation altitude (m)	2,000 (>2,000 Derating)		
Dimensions W *D *H	17" x 9" x 29.5"		
Weight (lb)	90.4		
Isolation transformer	No		
Self-consumption (W)	<25		
<b>Display and communication</b>			
Display	LCD/ touch screen		
Interface:RS485/Wifi/4G/CAN/Bluetooth	Yes		
Safety standard	UL1741 SA, CSA C22.2 No. 107.1:16, UL1998		
EMC	FCC Part 15, Class B		
On-grid	IEEE1547, CPUC Rule21, SRD V2.0, UL1741 SB, CEC, UL9540A		
DC ARC-Fault	UL1699B		

Dimensions

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