



Split-Phase Hybrid Inverter

AP-L8K~15K-SPSA

Residential Use

120Va.c./240Va.c.(Split Phase),208Va.c.(2/3Phase)

BYPASS CURRENT:100A



275A MaxCharge/Discharge
for Heavy Loads



<10msUPS-Level Switching
for Backup Power



Dual AC Ports: Grid &
Generator/Smart Load



AC-Coupling Ready
Retrofit Without Rebuild

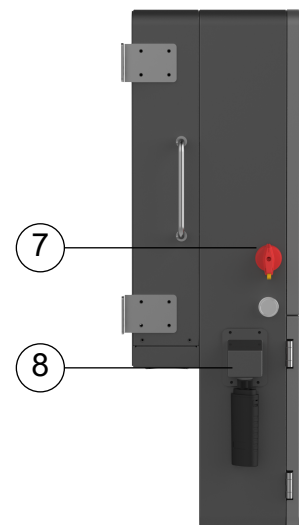
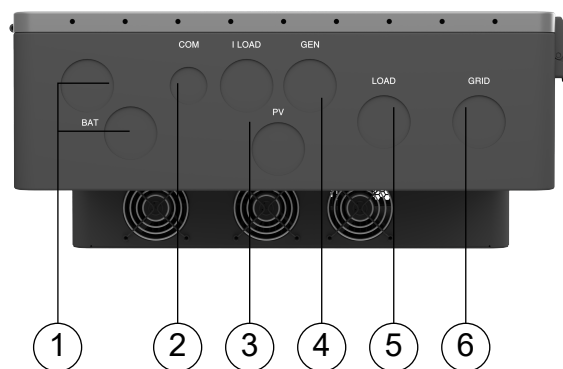


3-Phase Support
Parallel up to 10 Units



Rugged IP66 Enclosure
for Enhanced Durability

- 1.BAT
- 2.COM
- 3.PV
- 4.GEN
- 5.LOAD
- 6.GRID
- 7.PV SWITCH
- 8.WIFI



Model	AP-L8K-SPSA	AP-L10K-SPSA	AP-L12K-SPSA	AP-L15K-SPSA
INVERTER INPUT/OUTPUT (GRID)				
Rated Power(kW)	8	10	12	15
Rated Voltage	120Va.c./240 Va.c. (Split Phase),208Va.c. (2/3Phase)			
Rated Frequency(Hz)	60			
Power Factor Range	0.8 leading~0.8lagging			
Switch Time(ms)	<10			
Max.Input Current(A a.c.)	62.5			80
Max.Output Current(A a.c.)	33.4	41.7	50	62.5
Max Output Overcurrent Protection	250 Va.c/125 A a.c			
GEN Rated Power(kW)	8	10	12	15
BATTERY				
Battery Type	Lithium/Lead-acid			
Battery Voltage Range(V d.c.)	40~60			
Rated Battery Voltage(V d.c.)	51.2			
Max Charge Current(A d.c.)	167	210	250	275
Max Discharge Current(A d.c.)	167	210	250	275
Reverse Connect Protection	Yes			
PV INPUT				
No.of MPPT Tracker/Strings	3/2+2+2	3/2+2+2	3/2+2+2	3/2+2+2
Max.PVArray Power (kW)	12	15	18	22.5
Max DC Voltage(V d.c.)	550			
MPPT Voltage Range(V d.c.)	120~480			
Start-up Voltage(V d.c.)	120			
Max.Input Current(A d.c.)	26+26+26			
Isc PV(Absolute Maximum)(A d.c.)	39			
AC OUTPUT(EPS)				
EPS Rated Output Voltage	120Va.c./240Va.c. (Split Phase),208 Va.c. (2/3Phase)			
EPS Rated Output Frequency(Hz)	60			
EPS Rated Output Active Power(kW)	8	10	12	15
EPS Rated Output Apparent Power(kVA)	8	10	12	15
EPS Rated Output Current(A a.c.)	33.4	41.7	50	62.5
Max grid pass-through current(A)	62.5			
Overload Capacity(Off Grid)	200%10s			
EFFICIENCY				
MPPT Efficiency	99.50%			
California-efficiency	96.50%			
Max.Efficiency	97.50%			
PROTECTION &FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	IP66			
Certifications	UL1741, IEC62116, IEC61683, FCC Part15 Class B			
Other Protection	Overload,Over temperature,Short circuit,Anti-islanding			
GENERAL PARAMETER				
Storage Temperature	-25℃~+60℃ (-13°F~+140°F)			
Operating Temperature	-25℃~+60℃ (-13°F~+140°F),>+45℃ (+113°F)Derating to 60%			
Humidity	0~100%(Non -condensing)			
Operating Altitude(m)	4000(>2000 Derating)			
Noise(dB)	<45			
Machine Dimensions(W*H*D)(mm)	466*756*242			
Machine Weight/N.W. (kg)	45(99.21 lbs)			
DISPLAY&COMMUNICATION				
Display	App+LED/LCD (-S version)			
Interface	RS485/WiFi/CAN(Optional:Bluetooth/LAN/4G/Meter)			

