



B8048S Hybrid Inverter

Energy Storage
(Low Battery Voltage)
8KW 48V Battery

Application Scenario



Villa



Communication
base station



Nomadic area



Farm

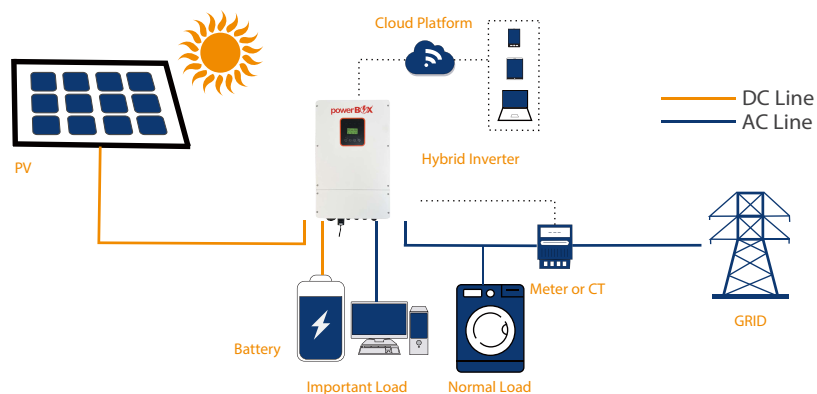


Household



Field
power supply

Product Topology



- Flexible

Wide input voltage range. Compatible with lead-acid or lithium-ion batteries or other battery



Reliable

Compatible anti counter flow function. Battery reverse connect protection.



Grace

Fashion apperance, light weight, smart operation.
Natural cooling, low noise. IP65 , wall mounted
design, saving space. Touch screen LCD.



Advanced

Intelligent energy management system for home. Power dispatching and demand side response management. Distributed virtual power station management.

Model		B8048S
Efficiency	Max Efficiency	>=98.2%
	CEC Efficiency	>=97.2%
On Grid AC Output	Rate AC Output Power	8KVA
	AC Output Voltage	120/240Vac(split phase), 208Vac(2/3 phase),230Vac(single phase)
	AC Output Frenquecny	50/60HZ
	Grid Type	Split phase 、 2/3 phase 、 Single Phase
	Max Output Current	38.3A
	AC Reverse Charging	Yes
	PF	0.8leading.. .0.8lagging
	Output TH DI	< 2%
Back-up AC Output	Rated Backup Output Power	8KVA
	Max Backup Output Power	10kVA 60S. 12KVA 1S
	Backup AC Output Voltage	120/240Vac(split phase), 208Vac(2/3 phase),230Vac(single phase)
	AC Frenquency	50/60HZ
	Output TH DI	<2%
PV Input	PV input power	12KW
	MPPT number	4
	PV voltage range	350V/85V - 500V
	MPPT voltage range	120V-500V
	Single MPPT input current	12A
Battery	Max charging/discharging current	190A/190A
	Battery Voltage range	48V
	Battery Type	Lithium-ion,Lead-acid
Protection	Ground protection	Yes
	AFCI protection	Yes
	Islanding protection	Yes
	DC disconnect detection	Yes
	Battery Fteverse protection	Yes
	Battery charge and discharge protection	Yes
	Insulation testing	Yes
	GFCI	Yes
	DC anti-thunder	Yes
	AC anti-thunder	Yes
	Input overvoltage&under-voltage protections	Yes
	Output overvoltage&under-voltage protections	Yes
	AC&DC over-current protection	Yes
	AC short-circuit current protection	Yes
	Overheating protection	Yes
General Data	Operation Temperature range	-25~ +60°C
	Environment humidity	0-95%
	Altitude	0-4000M (over 2000M derating)
	IP rank	IP65/NEMA 3R
	Weight	32kg
	Dimension(W*H*D) (mm)	530x 660 x 200
	Cooling	Fan Cooling
	Noise(dB)	<29dB
	Display	LCD
	Communication	Modbus, RS485, WIFI,4G
	Safty	EN61000-6-1, EN61000-6-3, FCC 15 class B
	EMC	IEC62109-1, IEC62109-2
	On Grid	UL1741,IEEE1547,RULE21,VDE 0126,AS4777,NRS2017,G98,G99

All specifications can change without notice.