



Comparison Chart of Various Energy Storage Solutions

	Fortress Power +Sol-Ark	SolarEdge + LG Chem	Pika Energy X7600+Habor 5	Tesla Powerwall	Sonnen eco 16
Low Material Cost	Yes	Yes	x	Yes	x
Low Cost Easy Install	Yes	x	x	x	x
Require Additional PV	x	x	x	Yes	Yes
AC coupling to Micro/String inverters	Yes	x	x	Yes	Yes
Round trip efficiency (PV -> Batt -> AC losses)	93%	79%	85%	87%	75%
INVERTER SPECIFICATION					
AC output/Grid-tie	12KW	7.6 KW	8 KW	5 KW	8 KW
AC output/Back-up	9 KW	5 KW	8 kW	5 KW	7.2 KW
Surge Power	20 KW	6.6 kW	12 KW	7 KW	12 KW
No. of Parallel Stacking	x	x	x	10	x
3-phase system	Yes	x	Yes	x	x
UPS Grid Failure Transfer	2ms	2000ms	1000ms	2000ms	16ms
BATTERY SPECIFICATION					
Battery Chemistry	LFP	NMC	NMC	NMC	LFP
Safety	Yes	No	No	No	Yes
Usable Power	16.5	9.3 KWH	17.1 KWH	13.5 KWH	16 KWH
No. of Parallel Stacking	8	2	4	10	x
Guaranteed Battery Cycles	6,000	2,600	2,800	2,800	10,000
LCD Display	Yes	x	x	x	x
Continuous Power	8.2 KW	5 KW	5.6 KW	5 KW	8 KW
Peak Output	12 kW	7 KW	8.4 KW	7 KW	12 KW

*Fortress Batteries are compatible with other hybrid inverters, such as Outback, Schneider, Magnum, SMA, Victron and so on.*