

Design Type	DC Transformerless						AC Coupled	
	Sol-Ark 12K	Sol-Ark 8K	Sol-Ark 5K	Generac PWRcell 7.6 +4XS2500	SolarEdge Energy Hub 7.6 32xP400	Panasonic (Daifon) 2xH5001	Enphase 2x10 +36xIQ7P	Tesla 2x Powerwall2 + String Inv
Brand & Model MSRP Price Solar PV Continuous Power Inverter AC Continuous Power Inverter Battery Continuous Power Off Grid Inverter AC Peak Power (5s)	\$6,900	\$6,100	\$4,500	\$6,500	\$7,600	\$6,200	\$28,700	\$19,400
	12KW	9KW	6.5KW	11KW	7.6KW	2x6KW	10.4KW	12KW
	9KW	8KW	5KW	7.6KW	7.6KW	2x5KW	10.4KW	2x5KW
	9KW	8KW	5KW	9KW	6.1KW	2x5.5KW	2x3.8KW	2x5KW
System Idle Power AC to DC Charger	16KW	16KW	16KW	12KW	6.9KW	13KW	8.8KW	14KW
	60W	60W	60W			200W		78W
	185A	185A	120A	6.7KW	5KW?	120A	N/A	N/A
	color touch	color touch	color touch	Text	Text	Text	X	X
User Interface PV to Batt Efficiency @ 65% AC to Batt Efficiency @ 65% Batt to AC Efficiency @ 65%	97.5%	97.5%	97.5%	92.0%	92.5%	91.0%	92.0%	92.5%
	96.0%	96.0%	96.0%	93.0%	93.5%	90.0%	95.0%	95.0%
	95.5%	95.5%	95.5%	93.0%	93.5%	90.0%	95.0%	95.0%
	96.5%	96.5%	96.5%	95.5%	98.0%	95.5%	97.0%	97.0%
On Grid PV to AC Efficiency @ CEC								
Time of Use or Off Grid PV -> Batt -> AC Losses @ 65% Grid Failure UPS Transfer Time Low Cost Easy Install	7%	7%	7%	15%	14%	19%	13%	13%
	4ms	4ms	4ms	1000ms	3000ms	20ms	2000ms	2000ms
	✓	✓	✓	✓	✓	✓	✓	✓
	10 yr	5/10 yr	5 yr	10 yr	12/20/25 yr	10 yr	10 yr	10 yr
AC Coupling to existing Inverters Parallel Stacking 120/240/208V 3Phase Generator Charging	✓	✓	✓	X	✓	✓	✓	✓
	✓	X	X	X	✓	✓	✓	✓
	✓	X	X	✓	X	X	X	✓
	✓	✓	✓	X	X	X	X	X
AC Load Shedding for TOU & Off Grid California & HECO (Grid Sell) NEC UL1699B Arc Fault Outdoor Enclosure	✓	✓	X	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	X	✓	✓
	✓	✓	✓	✓	✓	X	✓	✓
	✓	✓	✓	✓	✓	X	✓	✓
Battery Bank	20KWh 6000cycles +\$13K	20KWh +\$13K	20KWh +\$13K	18KWh 3500c +\$13K	2x9.8KWh 3000c +\$12K	18KWh 3000c +\$15K	21.0KWh 6000cycles	28KWh 3500cycles