

Design Type	DC Transformerless							DC Coupled			AC Coupled				
	Sol-Ark 12K	Sol-Ark 8K	Sol-Ark 5K	Outback Skybox 2xSBX5048	Generac PWRcell 7.6 +4xS2500	SolarEdge StorEdge 7.6 32xP400	SolarEdge Energy Hub 7.6 32xP400	Panasonic (Darfon) 2xH5001	Outback Radian FPR-8048A	Schneider XWPPro6.8 + 3xMPPT80	Victron 2xQuattro5K +3xMPPT150	SMA 11000TL + 2x4548	Enphase 2x10 +36xIQ7P	Sonnen ECO-20 + String Inv	Tesla 2x Powerwall2 + String Inv
Brand & Model															
MSRP Price	\$6,900	\$6,100	\$4,500	\$7,600	\$6,500	\$6,900	\$7,600	\$6,200	\$7,200	\$9,900	\$9,200	\$9,800	\$28,700	\$24,000	\$19,400
Solar PV <i>Continuous Power</i>	12KW	9KW	6.5KW	2x5.5KW	11KW	7.6KW	7.6KW	2x6KW	7.7KW	11.6KW	12KW	11KW	10.4KW	12KW	12KW
Inverter AC Continuous Power	9KW	8KW	5KW	2x5KW	7.6KW	7.6KW	7.6KW	2x5KW	8KW	6.8KW	8KW	11KW	10.4KW	8KW	2x5KW
Inverter Battery Continuous Power	9KW	8KW	5KW	2x5KW	9KW	5KW	6.1KW	2x5.5KW	8KW	6.8KW	8KW	2x4.5KW	2x3.8KW	8KW	2x5KW
Off Grid Inverter AC <i>Peak Power</i> (5s)	16KW	16KW	16KW	10KW	12KW	7.6KW	6.9KW	13KW	12KW	12KW	20KW	20KW	8.8KW	12KW	14KW
System Idle Power	60W	60W	60W	280W				200W	76W	48W	75W	50W		60W	78W
AC to DC Charger	185A	185A	120A	200A	6.7KW	5KW	5KW?	120A	115A	140A	255A	170A	N/A	115A	N/A
<i>User Interface</i>	color touch	color touch	color touch	color touch	Text	Text	Text	Text	Text	Text	color touch	Text	X	color touch	X
PV to Batt Efficiency @ 65%	97.5%	97.5%	97.5%	81.0%	92.0%	91.0%	92.5%	91.0%	97.5%	96.0%	97.5%	78.0%	92.0%	82.0%	92.5%
AC to Batt Efficiency @ 65%	96.0%	96.0%	96.0%	80.0%	93.0%	91.0%	93.5%	90.0%	85.0%	91.5%	85.0%	80.0%	95.0%	85.0%	95.0%
Batt to AC Efficiency @ 65%	95.5%	95.5%	95.5%	94.5%	93.0%	91.0%	93.5%	90.0%	93.0%	92.5%	91.5%	94.5%	95.0%	93.0%	95.0%
On Grid PV to AC <i>Efficiency</i> @ CEC	96.5%	96.5%	96.5%	94.0%	95.5%	96.5%	98.0%	95.5%	90.2%	88.5%	89.2%	98.0%	97.0%	97.0%	97.0%
<i>Time of Use or Off Grid</i> PV -> Batt -> AC <i>Losses</i> @ 65%	7%	7%	7%	24%	15%	18%	14%	19%	10%	12%	11%	28%	13%	25%	13%
Grid Failure <i>UPS Transfer Time</i>	4ms	4ms	4ms	20ms	1000ms	2000ms	3000ms	20ms	8ms	8ms	20ms	35ms	2000ms	100ms	2000ms
Low Cost Easy Install	✓	✓	✓	✓	✓	✓	✓	✓	X	X	X	✓	✓	✓	✓
<i>Warranty</i>	10 yr	5/10 yr	5 yr	5/10 yr	10 yr	12/20/25 yr	12/20/25 yr	10 yr	5/10 yr	10 yr	5yr	10 yr	10 yr	10 yr	10 yr
AC <i>Coupling</i> to existing Inverters	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Parallel Stacking</i>	✓	X	X	✓	X	X	✓	✓	✓	✓	✓	✓	✓	X	✓
<i>120/240/208V 3Phase</i>	✓	X	X	X	✓	X	X	X	X	✓	✓	✓	X	X	✓
Generator Charging	✓	✓	✓	✓	X	X	X	X	✓	✓	✓	✓	X	✓	X
AC Load Shedding for TOU & Off Grid	✓	✓	✓	✓	✓	X	X	X	X	X	✓	X	X	✓	X
California & HECO (Grid Sell)	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓
NEC UL1699B Arc Fault	✓	✓	✓	✓	✓	✓	✓	X	✓	X	X	✓	✓	✓	✓
Outdoor Enclosure	✓	✓	✓	✓	✓	✓	✓	X	X	X	X	✓	✓	X	✓
Battery Bank	20KWh 6000cycles +\$13K	20KWh +\$13K	20KWh +\$13K	20KWh +\$13K	18KWh 3500c +\$13K	2x9.8KWh 3000c +\$12K	2x9.8KWh 3000c +\$12K	18KWh 3000c +\$15K	20KWh +\$13K	20KWh +\$13K	20KWh +\$13K	20KWh +\$13K	21.0KWh 6000cycles	20KWh 6000cycles	28KWh 3500cycles