

Design Type	DC Transformerless						AC Coupled		
Brand & Model	Sol-Ark 15K	Sol-Ark 12K	Sol-Ark 8K	Sol-Ark 5K	Generac PWRcell 7.6 +4xS2500	SolarEdge Energy Hub 7.6 32xP400	Panasonic (Darfon) 2xH5001	Enphase 2x10 +36xIQ7P	Tesla 2x Powerwall2 + String Inv
MSRP Price	TBD	\$6,900	\$6,100	\$4,500	\$6,500	\$7,600	\$6,200	\$28,700	\$19,400
Solar PV <i>Continuous Power</i>	16KW	12KW	9KW	6.5KW	11KW	7.6KW	2x6KW	10.4KW	12KW
Inverter AC Continuous Power	15KW	9KW	8KW	5KW	7.6KW	7.6KW	2x5KW	10.4KW	2x5KW
Inverter Battery Continuous Power	12KW	9KW	8KW	5KW	9KW	6.1KW	2x5.5KW	2x3.8KW	2x5KW
Off Grid Inverter AC <i>Peak Power</i> (5s)	24KW	16KW	16KW	16KW	12KW	6.9KW	13KW	8.8KW	14KW
System Idle Power	90W	60W	60W	60W			200W		78W
AC to DC Charger	250A	185A	185A	120A	6.7KW	5KW?	120A	N/A	N/A
<i>User Interface</i>	color touch	color touch	color touch	color touch	Text	Text	Text	X	X
PV to Batt Efficiency @ 65%	97.5%	97.5%	97.5%	97.5%	92.0%	92.5%	91.0%	92.0%	92.5%
AC to Batt Efficiency @ 65%	96.0%	96.0%	96.0%	96.0%	93.0%	93.5%	90.0%	95.0%	95.0%
Batt to AC Efficiency @ 65%	95.5%	95.5%	95.5%	95.5%	93.0%	93.5%	90.0%	95.0%	95.0%
On Grid PV to <i>AC Efficiency</i> @ CEC	96.5%	96.5%	96.5%	96.5%	95.5%	98.0%	95.5%	97.0%	97.0%
<i>Time of Use or Off Grid</i> PV -> Batt -> AC <i>Losses</i> @ 65%	7%	7%	7%	7%	15%	14%	19%	13%	13%
Grid Failure <i>UPS Transfer Time</i>	5ms	4ms	4ms	4ms	1000ms	3000ms	20ms	2000ms	2000ms
Low Cost Easy Install	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Warranty</i>	10 yr	10 yr	5/10 yr	5 yr	10 yr	12/20/25 yr	10 yr	10 yr	10 yr
<i>AC Coupling</i> to existing Inverters	✓	✓	✓	✓	X	✓	✓	✓	✓
<i>Parallel Stacking</i>	✓	✓	X	X	X	✓	✓	✓	✓
<i>120/240/208V 3Phase</i>	✓	✓	X	X	✓	X	X	X	✓
Generator Charging	✓	✓	✓	✓	X	X	X	X	X
AC Load Shedding for TOU & Off Grid	✓	✓	✓	✓	✓	X	X	X	X
California & HECO (Grid Sell)	✓	✓	✓	X	✓	✓	✓	✓	✓
NEC UL1699B Arc Fault	✓	✓	✓	✓	✓	✓	X	✓	✓
Outdoor Enclosure	✓	✓	✓	✓	✓	✓	X	✓	✓
Battery Bank	20KWh 6000cycles +\$13K	20KWh 6000cycles +\$13K	20KWh +\$13K	20KWh +\$13K	18KWh 3500c +\$13K	2x9.8KWh 3000c +\$12K	18KWh 3000c +\$15K	21.0KWh 6000cycles	28KWh 3500cycles