



	Generac PWRcell	Enphase Encharge 10	BYD 10.0 + SMA	LGC + SMA	LGC + SE	Tesla
<b>PRODUCT COMBINATION</b>						
System Components	Generac (1 x 7.6kW PWRcell Inverter) Generac (3 x 2.85kWh PWRcell batteries - 9kWh)	Enphase (1 x 10kWh Encharge 10 Battery + Inverter)	SMA (1 x SBS-6.0 6 kW Inverter) BYD (4 x BYD Battery Box 2.56 kWh Batteries)	SMA (1 x 6.0kW SBS Inverter) LG Chem (1 x RESU10H Type-C 9.8 kWh Battery)	SolarEdge (1 x Energy Hub 7.6kWh) LG Chem (1 x RESU10H Type-R 9.8 kWh Battery)	Not available through BayWa r.e.
<b>TESTED PERFORMANCE (SGIP)</b>						
SGIP-Verified Energy Storage Capacity (kWh AC)	8.251	9.706	9.882	8.308	8.394	13.2
SGIP-Verified Rated Capacity (kW AC)	3.4	3.84	6	4.887	4.938	5
SGIP-Verified System Duration (hours)	2.43	2.528	1.647	1.7	1.7	2.64
<b>PRODUCT FUNCTIONS</b>						
Whole Home Backup	Yes	Yes <sup>1)</sup>	Yes <sup>2)</sup>	Yes <sup>2)</sup>	Yes <sup>3)</sup>	Yes
PV Available in Backup	Yes	With Enphase Inverters only	Yes <sup>2)</sup>	Limited	Yes	Yes
<b>PRODUCT SPECIFICATIONS</b>						
Inverter	GEN-PWRC-INV-7600		SBS-6.0-US-10	SBS-6.0-US-10	SE-7600H-USS3BBC14	N/A
Battery	GEN-PWRC-BAT-2850 DC Coupled	EN-ENCHARGE-10-1P-NA	BYD-B-PLUS-H-2.56	LGC-RESU-10H-C	LGC-RESU-10H	N/A
DC vs. AC coupled	DC Coupled	AC Coupled	AC Coupled	AC Coupled	DC Coupled	AC Coupled
Charging Options	Grid, DC coupled PV	Grid, Solar via AC coupled Enphase inverters	Grid, AC coupled PV via SMA ABU and compatible PV inverter	Grid, AC coupled PV via SMA ABU (PV charging ability limited in backup mode)	Grid, DC coupled PV	Grid, DC coupled PV
Roundtrip Efficiency	96.50%	96% - per Battery Charge / 89% - per Discharge Cycle	95.30%	94.50%	94.50%	90.00%
Self Supply Mode	Yes	Yes	Yes	Yes	Yes	Yes
Time of Use Mode	Yes	Yes	Yes	Yes	Yes	Yes
App for Desktop / Android / iOS	Yes	Yes	Yes	Yes	Yes	No
Installer Fleet Monitoring	Yes	Yes	Yes	Yes	Yes	No
Battery Warranty	10 Years, or 7.56mWh per battery unit	10 Years with tiered coverage	10 Years at 60% of nameplate rating	10 years at 60% of nameplate rating	10 years at 60% of nameplate rating	10 years at 70% of nameplate rating
Chemistry	LNMC <sup>4)</sup>	LFP <sup>5)</sup>	LFP <sup>5)</sup>	LNMC <sup>4)</sup>	LNMC <sup>4)</sup>	LNMC <sup>4)</sup>
Installer Certification Requirement	Installer Certification required for access to customer services	Installer Certification required for access to customer services	None	Installers must be certified by LG Chem in order to buy RESU products from BayWa r.e.	Installers must be certified by SolarEdge for Energy Hub and Backup Interface installation customer service  Installers must be certified by LG Chem in order to buy RESU products from BayWa r.e.	Installer Certification required for purchase from Tesla
Max. System Size Notes	34.2kWh - 2 Cabinets of 6 batteries each	Up to 4 Encharge 10 Units	Up to 4 battery modules, max 10.24 kWh	Up to 3 Batteries per each SBS, max 29.4kWh	Up to 2 batteries per inverter, max 19.6 kWh	135kWh - Up to 10 PowerWalls can be wired in parallel
Min. System Size Notes	8.55kWh - Minimum 3 PWRcell Battery Packs.	Smaller Encharge 3 also available.	5.12 kWh - minimum 2 battery modules	9.8 kWh - minimum one battery per inverter	9.8 kWh - minimum one battery per inverter	13.5kWh - 1 PowerWall 2

1) Enpower Smart Switch required

2) SMA SBS ABU Backup Unit required

3) Backup Interface required

4) Lithium Nickel Manganese Cobalt Oxide

5) Lithium Iron Phosphate