

Major Components for T. Morton Tesla Battery Install					
Component Description	Model	Quantity	Source		Notes
Inverter	Multiplus 24/3000/70	1	https://amzn.to/2I9Oly8		
Solar Charger option 1	Victron Energy MPPT 100/50 Smart Solar	1	https://amzn.to/2X3Dp8j		This charger will limit the system to 1400W
Solar Charger option 2	Victron Energy MPPT 100/70 Smart Solar	1	https://shop.pkys.com/Victron-Ene		This charger will be good for solar up to 1800W, can get even larger models however
Battery Monitor	Victron BMV 712	1	https://amzn.to/2X1NsuP		
Temp Sensor	BMV702/712 Temperature Sensor	1	https://amzn.to/2SUZzuB		
Undervoltage/overvoltage disconnect	Victron BP220	2	https://amzn.to/2DAv5UH		
Main Battery Disconnect	Blue Sea 6006 Mini Disconnect	1	https://amzn.to/2UZ2wYq		
Bus Bars		2	https://amzn.to/2SMVwA9		I recommend the use of busbars, they help keep installations clean and distribute power well
24V-12V Converter	Victron Energy Orion 24/12-40 DC-DC	1	https://amzn.to/2Go0r4N		If needed can get the 70A version that has lugs and is adjustable voltage
Battery Meter / Balancer	Tenergy 5-1	1	https://amzn.to/2E8BuYK		This is not used as a "BMS" just to periodically check and balance the batteries, You need to adapt XH connectors to the battery cells to use this device. Do not leave this plugged in as it will unbalance the battery.
Battery Terminal Fuse holder	Blue Sea 5191	2	https://shop.pkys.com/Blue-Sea-51		These are optional but provide extra protection for the batteries during installation and handling from a short
Batter Terminal Fuses	Blue Sea 5189	3	https://shop.pkys.com/Blue-Sea-51		These are installed at battery on lugs. If battery is shorted this will protect battery internal fuses from destroying battery
Main Fuse	Class T 200A	1	https://amzn.to/2X1QQWz		
Main Fuse class T holder	Class T fuse holder	1	https://amzn.to/2GulKSz		
Solar Fuse and holder	60A ANL holder and Fuse	1	https://amzn.to/2VynzC7		
Inline Fuse for relay	2A inline fuse of any type	1	https://amzn.to/2SHm16L		
DPST Relay 24V	DPDT or DPST relay @24V coil (down to 18V)	1	https://amzn.to/2Vxx7Nw		This is just a relay that turns one signal into two... we cannot put the two devices in series due to how their circuits work.
60A inline Breaker for Solar	DC - 60A 24V breaker	1	https://amzn.to/2GYrXHm		
1/0 Cable	However much you think you need		https://amzn.to/2Rye86n		just a suggestion. Make sure its true 1/0AWG, not international wire standard
6AWG cable	Combiner - charge controller- busbar wire		https://amzn.to/2s9PcE0		
1/0 Lugs	you need a minimum of 16,		https://amzn.to/2C2z0ZU		2 packs (20)
Battery Heater	Water Tank Heating Pad		https://amzn.to/2N3BH2k		I have heard of people having good luck using these tank heaters.
Solar Combiner Box recommendation			https://amzn.to/2TOOp03		