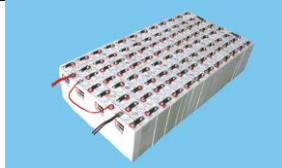











UG HEV Conversion Project




Part List Version 1.0 RC





A. EV Batteries Total Around 6900USD http://hipowergroup.com Email: info@hipowergroup.com Support: tech@hipowergroup.com Phone (International): +8 6731 8 513 1841 Phone (Domestic, China): 400-6402 099 Fax : +8 6632 8 010 289							
No	Part Name	Spesification/ Features	Brand Name/Type /Model	Item	Price/ item	Total Price	Remark
1	Power Battery	Nominal voltage: 3.2V/Capacity: 100AH Discharge: 2C continuous / 4C burst Weight: 3.14 kg/Size:169*57*220 mm	LiFePO4 HP-CT-100AH	45	FOB Shenzhen USD 1.2/AH	FOB Shenzhen USD 5400 (ready in 45days after payment)	 Battery Pack 144V 45pcs
2	BMS & Charger	Output DC: 24 ~ 400 DC Power offer: 1500 ~ 8000 W IP 46/LED Indicator/ CAN communication	HipowerChar ger (on-board)	1	Confirm Price bsk. Kira" 1500 USD		



<p>B. EV Car Kit http://goldenmotor.com Mr. Johnson Liu Phone: 86-519-81004258 Mobile: 86 186 5198 4825 Mr. Philip Yao Phone: 86-519-82080666 Mobile: 13775620111</p> <p style="text-align: right;">Lead Time 20 days. (total 2301 USD)</p>							
No	Part Name	Spesification/ Features	Brand Name/Type /Model	Item	Price/ item	Total Price	Remark
3	Integrated GearBridge	Electric car kit/Gear bridge and brake Gear Ratio:1:8 or 1:12.5 Bridge length: 1270 mm (+Backpole) Capacity: 2 Ton	Electric Car Kit/ Gear Bridge and brake	1	422	422	
4	BLDC Motor	Voltage:48V/72V/96V/120V Rated Power:8KW-20KW Efficeincy: 91% Phase Resistance (Milliohm): 3.1/48V; 6.0/72V; 18.0/120V Phase Induction(100KHZ): 34uH/48V; 77uH/72V; 252uH/120v Speed: 2000-6000rpm Weight:17Kgs Casing: Aluminium Length (height): 170mm Diameter: 206mm	HPM-10KW 120V 10KW Air Cooling	1	765	765	







5	BLDC Controller	Voltage Ranges: 48V (~60V) / 72V (~90V) / 96V (~140V) Rated Current (Max): 840A / 700A / 560A Weight: 5.7Kgs Dimensions: 200x276x85mm Features: Programmable via USB port, Fuse breaker, Regen Braking, Temperature sensing	HPC700H Series 96V (~140V) 560A	1	920	920	
6	Contactor			1	35	35	
7	HPC Controller Wiring Harness	23-pin Water-Resistant Connector Dynamic Monitoring Connector	CA-201--HPC Controller Wiring Harness	1	30	30	
8	HPC Controller Programming Kit	Easy Installation for PC/laptop with Windows OS Easy USB Port Connection Setup Parameters without Power-on Controller Monitor Motor Performance Dynamically	PI-400	1	80	80	
9	Foot Throttle	Output Voltage: 0-5V Material: casted aluminium Weight: 0.9Kgs Features: Water resistant	Model: FSC-010 -- Foot Throttle	1	49	49	


C. Controller Kit							
http://kellycontroller.com Phone: (001) 224 637 5092 Mail: sales@kellycontroller.com				total 15,653RMB			
No	Part Name	Spesification/ Features	Brand Name/Type /Model	Item	Price/ item	Total Price	Remark
10	BLDC Motor	144V 12KW BLDC Motor	144V 12KW BLDC Motor	1	10700RMB (ready in 2 weeks after payment)	1070RMB	


11	KBH BLDC Motor Controller	<p>Frequency of Operation: 16.6kHz.</p> <ul style="list-style-type: none"> •Standby Battery Current: < 0.5mA. •5V Sensor Supply Current: 40mA. •Controller supply voltage range, PWR, 10 to 30V (24V preferred). •Configurable battery voltage range, B+, 18V to 180V. •Analog Brake and Throttle Input: 0-5 Volts. Producing 0-5V signal with 3-wire pot. •Reverse Alarm, Main Contactor Coil Driver, Meter. •Full Power Operating Temperature Range: 0°Cto 50 °C(controller case temperature). •Operating Temperature Range:-30°Cto 90 °C, 100°Cshutdown (controller case temperature). •Motor Current Limit, 1 minute: 400A. •Motor Current Limit, continuous: 200A. •Max Battery Current : Configurable. 	KHB14401,24 -144V,400A, Opto BLDC Controller/W ith Regen	1	7360RMB (ready in 7 days after payment)	7360RMB	 <p>with: CAN Bus: (+\$79.00) High Speed Motor Option: (+\$99.00) Stick Shift Throttle Firmware: (+\$29.00) Ultra High Speed Motor Option: (+\$199.00)</p>
12	KHB Wiring Terminal			1set	68RMB (ready)	68 RMB	
13	Single Controller Control Box(KHB/HP)			1	220RMB(re ady)	220RMB	

14	KHB Assembly	with Reversing contactor and Free Ammeter		1	1290RMB(ready)	1290RMB	
15	KHB J1 Cable			1	100RMB(ready)	100RMB	
16	J2 Cable			1	100RMB(ready)	100RMB	
17	Kelly 0-5V Throttle Pedal for Electric Car			1	560RMB(ready)	560RMB	

18	Main Contactor ZJW 144VDC Coils 400Amps	Insulation Resistance 100Mohm Min. Dielectric strength Between Contacts 2000VAC. Between coil and contacts 1500VAC. Environment temperature and attitude - 40C - +85C; 0-20000m Max relative humidity 98% The shocking of fixed point 1 Frequency(11Z) 10-200 Acceleration(g) <3.5 Shocking Speed(time/min.) 60-100 Acceleration(g) 4 Constant acceleration 8 Operation regulation Continue Installation direction Random	ZJW 144VDC Coils 400Amps	1	447RMB(re ady)	447RMB	
19	Charger for LiFePO4 Battery	dimensions: 290mm(L)*215mm(W)*110mm(H) Input voltage: AC 220V 50/60Hz Max input current: 14A Max output current: 15A Battery voltage: 144V Charge mode: six segments type. Output Power: 2.16KW Operating temperature: -10C - +40C Humidity: less than 80%	HWC4- 144V/15A	1	3330RMB(2 weeks after payment)	3330RMB	

20	DC/DC Converter	<p>Dimensions: 172mm(L)*120mm(W)*66mm(H) Input voltage: DC 144V Output voltage: DC 12V Operating voltage range:112V-195V Output current: 25A Operating temperature: -10C - +40C</p>	<p>HWZ Series DC/DC Converter 144V to 12V 300W</p>	1	730RMB(ready)	730RMB	
21	<p>Accessories: Pin connector: waterproof Aviation Plug with Pin Cable with Terminations Wiring Nose 100 A</p>				<p>50RMB 28RMB 68RMB</p> <p>85RMB</p> <p>34RMB</p> <p>All ready</p>	<p>50RMB 28RMB 68RMB</p> <p>85RMB</p> <p>34RMB</p>	  
21a	Fuse	ANE 100A			ready28RMB	28RMB	
21b	Power Fuse	Power Fuse Holder			85RMB(ready)	85RMB	

<p>D. AC Induction Motor</p> <p>Web: http://www.china-electricmotor.com China Electric Motor Association GuangDong M&C Electric Power Co.,Ltd Add:3/f Dizhi Building No.739 Dongfeng Rd.E Guangzhou China Tel: 86-20-89660216 Fax: 86-20-89660219 Post: 510080 Email: mcmotorcn@gmail.com (recommended to use)</p> <p>Office: http://ev-motor.cn GuangDong M&C Electric Power Co.,Ltd Add:Rm.606,Building 24,Jin Hao Street,Yi Jing Road,Hai Zhu District, Guang Zhou,Guang Dong,China Tel : 86-20-89660013 Fax: 86-20-87674413 Post: 510080 Email: info@ev-motor.cn</p>							
No	Part Name	Spesification/ Features	Brand Name/Type /Model	Item	Price/ item	Total Price	Remark
22	AC Induction Motor	<ul style="list-style-type: none"> • air-cooled AC induction motor • Sealed motor and gearbox casings • DSP-based control• Regenerative braking• Space Vector PWM and Field Oriented Control• Internal contactor with pre charge circuitry• Lightweight aluminum chassis• Waterproof, rugged construction• Trenchgate IGBTs for maximum efficiency• Over voltage and under voltage protection• Three-level over current protection• Inverter over temperature protection • Motor over temperature protection 	AIM15 144V	1	2500USD with Controller (ready in 10days after payment)	2500USD	

23	Induction Motor Controller	144V	AC35	1	With AIM15 unit	-	 <p>controller</p>
24	DC-DC Converter	<p>Output Voltages 13.5V/25.2V Input Voltages: 60-400V Output Power: 300-750W Efficiency: 85-90% Current Peak @12V: 60A Weight: 2.6-5kg Dimensions (with fan): 329mm x 109mm x 187mm Operating Temperatures: -25°C to +65°C</p>	M&C DC-DC Converter	1	400USD	400USD	