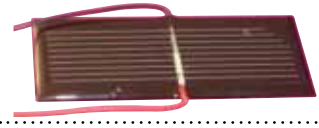


Solar Panels

SOLAR PANELS
28SOPAA 2.60 2.86 IncGST
 Use with 3 volt motor. Size: 4.5 x 7cm. Great for small car kits, see Cam's car kit packs, code 28CKIT2



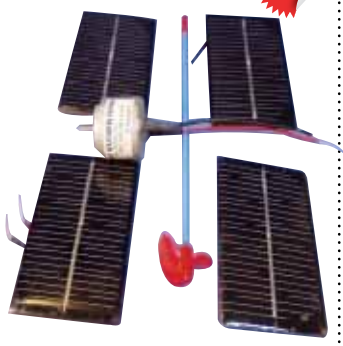
CAM SOLAR PANEL 500ma 1.5V
28SOCAM 12.60 13.86 IncGST
BULK BUY 10 OR MORE
28SOCAMB..... 11.39 12.53 IncGST
 Use with 3 volt motor. Size: 4.5 x 7cm. Great for small car kits, see Cam's car kit packs, code 28ckit2.



SOLAR PANEL 2V - .34A (86 X 72MM)
28SOP46..... 8.17 8.99 IncGST



SOLAR BOAT KIT
28SOBOK 65.18 71.70 IncGST
 Kit includes: 4 x Monocrystalline 0.50 Watt solar panels, 1 x solar motor 1.5-6 V DC with push on terminal leads red and black. 1 x propeller unit including the universal joint for ease of connection.



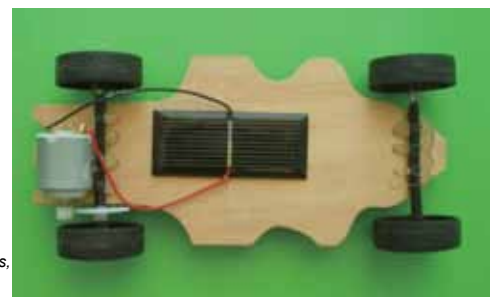
SOLAR PANEL .5V - .90A (86 X 55MM)
28SOP40 5.10 5.61 IncGST



SOLAR PANEL .2V - .90A (86 X 172MM)
28SOP48 13.87 15.26 IncGST



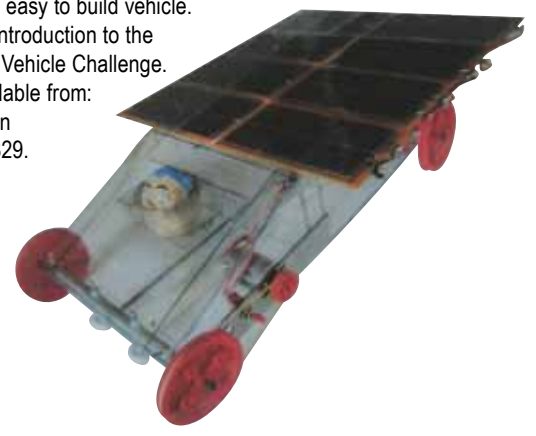
SOLAR POWERED CAR KIT SETS OF 20
28CKIT2 138.80 152.68 IncGST
 Kit contains: Balsa chassis, Solar motor, Solar panel, Bamboo skewer axle, 27mm Wheels, Gears & Pinions, and Plastic straws.
 Materials required but not supplied in kit: Hot melt glue gun, Scissors & Wire strippers, Solder & Soldering Iron. SET OF 20.



Materials Required But Not Supplied In Kit. Hot Melt Glue Gun, Scissors & Wire Strippers, Solder & Soldering Iron.

A MODEL ELECTRIC SOLAR (KIT) CAR

This kit is an easy to build vehicle. It is a good introduction to the Model Solar Vehicle Challenge. Kits are available from: Don Sheridan (03) 9878 5829.



MODEL SOLAR CAR BOOK - OPTIMISING PERFORMANCE

10SOCA 9.90 10.89 IncGST
 Building and racing a model solar car can be a very rewarding experience. This book looks at design features and processes to make a successful solar vehicle. Sections include: Solar panels, motors, vehicle weight, rolling and wind resistance, gear selection, motor efficiency & selection guide lines as well as optimising performance.



ENGELEC SOLAR CAR ENERGY MAXIMISER

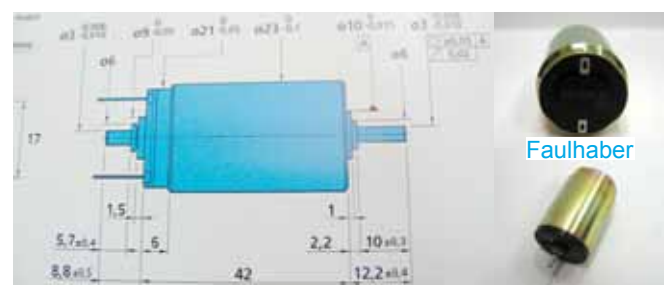
28SOEM 19.75 87.73 IncGST
 The idea behind this module is to maintain the solar panel at its maximum power voltage, irrespective of the speed and hence the voltage of the motor. It uses a dedicated power supply controller IC in a buck converter and will work with panels from 8 volts to 24 volts. A comprehensive set of instructions is supplied with the module.



FAULHABER - Made in Switzerland

For further detail on Faulhaber motors see www.faulhaber.com

FAULHABER MOTOR 2232 6V
28M2232..... 152.60... 161.86 IncGST



SOLAR PANEL

29SOPAN 15.00 16.50 IncGST
 Four cell solar modules. First quality poly crystalline silicon solar cells, laser etched and anti-reflective coated, four cells in series on a fibre glass backing, epoxy coated, with large solder pads on rear, 62mm x 120mm, approx. 33g.
 Test results:
 VOC 2.45 volts
 ISC 0.47 amps
 Pmax 0.9 watts
 VMP 1.94 volts
 IMP 0.44 amps
 Sheridan cars can use up to 6 modules.
 AIMSCC cars can use between 7 and 10 modules.



Solar Motors & Accessories

CAM SOLAR MOTOR

28MOTCAM 2.30 2.53 IncGST
BULK BUY: 10 OR MORE
 28MOTCAMB.. 1.90 2.09 IncGST

A 4.5V motor that is compatible with the CAM solar panel (28SOCAM). Suitable for use in making models for the solar car and boat challenge.
 Price per each.



SOLAR MOTOR 1.5 - 6V

28SOMOTS 13.45 14.80 IncGST
 A robust, low inertia motor that can be powered by solar cells. Specs: Voltage 1.5-6 V DC, speed (no load) 1800rpm@3V, current (no load) 0.222A. Size: 32mm diam. X 33mm long. Shaft size 2.00mm diam. Supplied with leads.



WHEELS - ACETAL - MACHINED

Acetal Drive Wheel - With "O" Ring Tyre

29ACWHO 18.57 20.42 IncGST
 63mm (when fitted with "O" Ring 56 x 3) extended boss, suits bearing 10mm O.D. *NB: suit bearing 6 x 10 (not included).

Acetal Wheel - With Radius

29ACWHR 15.22 16.74 IncGST
 63mm with radius and extended boss, suits bearings with 10mm O.D



FLANGED BEARINGS DOUBLE SHIELDS

I.D.6mm, O.D.10mm, 2.5mm Wide
 29FLBE6 7.80 8.58 IncGST

I.D.5mm, O.D.10mm, 4mm Wide
 29FLBE5 12.98 14.27 IncGST

I.D.4mm, O.D.10mm, 4mm Wide
 29FLBE4 6.12 6.73 IncGST



AXLE LENGTHS SILVER STEEL TO FIT FLANGE BEARINGS

4mm Silver Steel x 1 mtr Length
 29AXLES4 11.87 13.057 IncGST

5mm Silver Steel x 1 mtr Length
 29AXLES5 15.50 17.05 IncGST

6mm Silver Steel x 1 mtr Length
 29AXLES6 19.57 21.52 IncGST



RETAINING BUSHES

Retaining Bush 3mm
 29RETBU3 2.49 2.73 IncGST

Retaining Bush 4mm
 29RETBU4 2.49 2.73 IncGST

Retaining Bush 5mm
 29RETBU5 2.49 2.73 IncGST

Retaining Bush 6mm
 29RETBU6 2.49 2.73 IncGST



GUIDE ROLLER

29GUIDE 2.50 3.21 IncGST
 O.D.25mm, I.D.10mm, width 9mm.



GUIDE ROLLER STANDOFF

29GUIDST 4.91 5.40 IncGST



MOTOR MOUNT FLANGE

29MOMOF 11.05 12.15 IncGST



GUIDE ROLLER WASHER

29GUIDEW 0.34 0.37 IncGST



SLEEVE ALUMINIUM

29SLEEVE 1.50 1.65 IncGST



MOTOR MOUNT ASSEMBLY

28MOTASS 21.68 23.84 IncGST



M3 GRUB SCREW

29M3 0.45 0.50 IncGST

*Use the M3 grub screw to secure the pinions to the Faulhaber motor.



TOOLING

Hexagon Wrench 1.5mm
 29THEXW 1.66 1.82 IncGST

Hex Ball Driver (With Handle) 1.5mm
 29THEXBD 11.62 12.78 IncGST



MOTOR MOUNT PLATE

29MOMOP 7.90 8.69 IncGST



SOCKET HEAD CAP CREWS

M3 X 8 SHCS

29SCM38 0.64 0.70 IncGST



M3 X 12 SHCS

29SCM312 0.68 0.74 IncGST



M3 X 25 SHCS

29SCM325 0.80 0.88 IncGST



M3 X 40SHCS

29SCM340 1.06 1.16 IncGST



Solar Accessories

GEARS ACETAL BLACK

Washer type gears to fit on drive wheel.



ORDER CODE	NO OF TEETH	FACE WIDTH	BORE SIZE	OUTER DIAM	PRICE	PRICE IncGST
29GEARBL90	90	3	16	46	\$14.17	\$15.59
29GEARBL95	95	3	16	48.5	\$14.29	\$15.72
29GEARBL100	100	3	16	51	\$14.40	\$15.84
29GEARBL105	105	3	16	53.5	\$14.62	\$16.08
29GEARBL110	110	3	16	56	\$15.07	\$16.58
29GEARBL115	115	3	16	58.5	\$15.58	\$17.14
29GEARBL120	120	3	16	61	\$16.09	\$17.70

