

SERVO MOTORS



SPECIFICATIONS	LS-0003	LS-0006	LS-0009AF	LS-1006A	LS-3006	LS-8101F
TYPE	Analog	Analog	Digital	Analog	Analog	Digital
GEARS	Plastic	Plastic	Metal	Metal	Plastic	Metal
ROTATION DEGREES	90	90	90	90	360	360
VOLTAGE RANGE VOLT	4.2 - 5	4.5 - 6	4.8 - 6	4.8 - 6	4.8 - 6	6 - 7.2
SPEED SEC/60°@ MIN VOLT	0.14	0.12	0.1	0.12	0.14	0.16
SPEED SEC/60°@ MAX VOLT	0.12	0.1	0.08	0.1	0.12	0.14
TORQUE KG/CM@ MIN VOLT	0.4	1	1.3	2.2	6	12.5
TORQUE KG/CM@ MAX VOLT	0.6	1.2	1.5	2.5	6.5	13
WEIGHT GM	3	6	9	16	40	58

SOLAR CELLS

- Comes with Arduino compatible barrel plug termination
- Connect multiple solar panels in Series if higher voltage is required
- Connect multiple solar panels in Parallel if higher power is required



Monocrystalline Solar Cell

MODEL	VOLTAGE V	AMPERE mA	DIMENSIONS mm
SC10036	3.6	100	60x60
SC10050	5	100	75x60
SC10072	7.2	100	90x70
SC20036	3.6	200	85x85
SC20050	5	200	120x70
SC20072	7.2	200	140x90

ACCESSORIES



MODEL	DESCRIPTION
3PIN-01	3 Pin Jumper Cable - with 3 pin JST RE connectors, Pkg/10
CONT-01	Daisy Chain Female Jumpers - 5.5" apart, 25 Nodes
FFI2C-01	4 Pin I ² C Connector Cable, F/F, 8", Pkg/4
LCD-01	LCD Display, 16 character x 2 line
LS-00001	Tactile Push Button with Cap - Assorted Colours, Pkg/12
LS-00002	Push Button Switch - 12mm, Pkg/10
LS-00003	Push Button Switch - Mini Tactile, 6mm - Pkg/25
LS-00004	Breakaway Headers - 40 Pin, 11.5mm - Pkg/10
LS-00005	Breakaway Headers - 40 Pin - 20mm, Pkg/4
LS-00006	Female Headers - Single Row, 40 holes, Pkg/10
LS-00007	Stackable Headers - 6 Pin, Pkg/4
LS-00008	Stackable Headers - 8 Pin, Pkg/4
LS-00009	Stackable Headers - 10 Pin, Pkg/4
LS-00010	Stackable Headers - Assorted Sizes - Pkg/4
LS-00011	USB plug to 2.1mm Coaxial plug adapter
LS-00012	2.1 x 5.5mm Jack to 2pin JST connector adapter
LS-00016	5mm LED Kit - Assorted Colours - Pkg/25
LS-CAB4P-08	4 Pin I ² C Connector Cable, M/M, 8", Pkg/4
LS-FFPJ-6	Jumper Wire - F/F, 6" - Pkg/50
LS-MMPJ-6	Jumper Wire - M/M, 6" - Pkg/50
MB-170	Breadboard 170 holes, 35x45mm, Available in Clear, White, Blue, Red
MB-400	Breadboard 400 holes, 54x83mm, Available in Clear, White
MFI2C-01	4 Pin I ² C Connector Cable, M/F, 8", Pkg/4
RPR-053A0-UMB	5VDC 3.0A Micro-USB plug, suitable for Raspberry Pi