

# #150 Rev H Smart Battery Charger

## Parts List for 12V @ 1 Amp version

REF DES	QTY	DESCRIPTION		
R1,2	2	100 K $\Omega$	1/4 W 5%	BN-BK-YL-GD
R3,4,7	3	2.2 K $\Omega$	1/4 W 5%	RD-RD-RD-GD
R5	1	10 $\Omega$	1/4 W 5%	BN-BK-BK-GD
R6	1	560 $\Omega$	1/4 W 5%	GN-BL-BN-GD
RA	1	100 K $\Omega$	1/4 W 1%	BN-BK-BK-OR-BN
RB	1	20 K $\Omega$	1/4 W 1%	RD-BK-BK-RD-BN
RC	1	392 K $\Omega$	1/4 W 1%	OR-WT-RD-OR-BN
RS1,RS2	2	1/2 $\Omega$	1 W 5%	GR-BK-SL-GD
RS3,RS4	<b>NOT USED (for QRP version)</b>			
C1	1	1000 $\mu$ f	Radl	35V
C2	1	.47 $\mu$ f	Mono	(474)
C3	1	.1 $\mu$ f	Mono	(104)
D1,D2	2	1N4004	1 Amp Power Diode	
D3	<b>NOT USED (for AUXILARY or Solar DC input)</b>			
DSp	<b>NOT USED</b> DC Power LED			
DSf	1	RED LED	Final LED	5 mm
DSc	1	GRN LED	Charging LED	5 mm
BR1	1	2 Amp	Diode Bridge	
U1	1		UC3906 IC	
Q1	1	TIP42/32	PNP Pwr Transistor	
Q2	<b>NOT USED (for custom darlington driver)</b>			
T1	1	SSA-7-16	Power Transformer	
F1	1	Input Fuse	1/2 amp 3AG	
F2	1	Output Fuse	2 amp 3AG	
SOC	1		16 pin IC socket	
Wire	3	2 inches	#24 RED, WHITE, BLUE	
Wire	2	6 inches	#24 BLACK	
Wire	1	6 inches	#24 GREEN	
Wire	1	6 inches	#24 RED	
Misc	7	1/2 inch	shrink tubing (.093)	
PCB	1	150 Rev H	Circuit Board	

### NOTICE

**Two wire jumpers are required for the standard version of the charger. See options available in the instructions. Use discarded component leads to make the connections.**

**Jumper J1 to J2 and J5 to J6**