

#150 Rev H Smart Battery Charger

Parts List for 12V @ 1 Amp version

REF DES	QTY	DESCRIPTION		
R1,2	2	100 K Ω	1/4 W 5%	BN-BK-YL-GD
R3,4,7	3	2.2 K Ω	1/4 W 5%	RD-RD-RD-GD
R5	1	10 Ω	1/4 W 5%	BN-BK-BK-GD
R6	1	560 Ω	1/4 W 5%	GN-BL-BN-GD
RA	1	100 K Ω	1/4 W 1%	BN-BK-BK-OR-BN
RB	1	20 K Ω	1/4 W 1%	RD-BK-BK-RD-BN
RC	1	392 K Ω	1/4 W 1%	OR-WT-RD-OR-BN
RS1,RS2	2	1/2 Ω	1 W 5%	GR-BK-SL-GD
RS3,RS4	NOT USED (for QRP version)			
C1	1	1000 μ f	Radl	35V
C2	1	.47 μ f	Mono	(474)
C3	1	.1 μ f	Mono	(104)
D1,D2	2	1N4004	1 Amp Power Diode	
D3	NOT USED (for AUXILARY or Solar DC input)			
DSp	NOT USED 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	NOT USED (for custom darlington driver)			
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