

TBSCX4-1S1.2A Data Sheet



A small, plug in compact lithium ion charger providing cell manufacturers recommended charge algorithm of CC/CV for 4.2V cell technology. 1S pack.

The charge controller delivers a constant current of 1.2A followed by a 4.2V constant voltage phase..

Charge termination is by taper current in the constant voltage phase.

Pre-charge for low cell voltage is provided along with a safety timer.

Charge and recharge is fully automatic.

Three channel LED status advises user of operational status . Blue LED is power good, stat1 and stat2 are the operating green LEDs

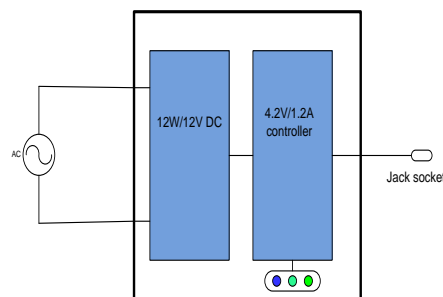
Input connectivity is an AC BS three pin plug, earth is not connected.

Output is a standard jack socket as described in phot0.

Mass is **gms. Case is flame retardant ABS/poly UL94V-0

Symb	Description	Value	
AC	Input 20W, 50Hz-60hz	90Vac-250Vac	
CC	Constant current	1.2A+/- 8%	
CV	Constant voltage	4.2V +/- 1%	
Top	Design operating ambient.	0C to 50C	
Symb	Description	stat1	stat2
BA	Battery absent	off	off
Chrg	Charge in progress	on	off
Chrgd	Charge done	off	on
Fault	Timed out,temp,precharge	pulse	off
Pwr	Blue led on when powered		

Block schematic



Pwr/stat2/stat1

Precautionary and usage: Use only with 1S lithium ion technology suitable for 4.2V charging

Do not short circuit, crush or incinerate, or disassemble. Dispose of in accordance with your countries regulations

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No consequential or direct liability accepted for reliance on this data