

# SMart One™ CHARGER

An intelligent charger that complies to SMBus batteries



*SMart One Charger*

The Cadex **SMart One**™ charger fills the urgent need of extra charging capability for the mobile computer user. With the **SMart One**, you never run short of battery power again. Simply charge as many batteries as you may require.

The **SMart One** conforms to the System Management Bus (SMBus) and accommodates the widely used 202 form factor, as well as other popular formats. You don't need to know the particulars of a battery, "if it fits, you can charge it".

Charging is fast and accurate. A faulty battery is identified with a fail light and the charge is halted. Temperature protection assures fail safe operation even in adverse temperature conditions.



## SPECIFICATIONS

<b>DESCRIPTION</b>	Single-bay fast-charger, supports SMBus Level 3	
<b>BATTERIES SUPPORTED</b>	210, 202, 201, 36, 35, 30, 17, 15 or equivalent	
	<i>Smart Battery</i>	Li-ion (14.4V max. nominal); NiCd/NiMH (12V max.)
	<i>Dumb Battery</i>	NiCd/NiMH (7.2V- 12V)
<b>CHARGING</b>	Automatic battery recognition	
Charge rate	<i>Smart Battery</i>	Variable, up to 2.5A;
	<i>Dumb Battery</i>	1.8A fixed
Charge termination	<i>Smart Battery</i>	Controlled by battery or time-out
	<i>Dumb Battery</i>	dT/dt; 1 °C min. rise or neg. slope
Charge time	2.5h per pack typical	
<b>SIGNAL INDICATORS</b>		
Yellow (RUN)	Flashing ON	Initializing battery (max. 8 sec, smart battery only) Charging
Green (READY)	Flashing ON	Topping charge; 80% charged (dumb battery only) Charge completed
Red (FAIL)	Flashing ON	Charger fault or over-temperature Battery fault - replace battery if fault re-occurs
<b>ELECTRICAL</b>		
Power requirements	90-250 VAC, 47-63 Hz, 45 watts maximum	
Operating temperature	Recommended +5 to +30 °C; 40 °C maximum	
Temperature Protection	Over-temperature control on battery and circuit; halts service if hot	
Power Supply	External with detachable North American AC cord; other AC cords available on request	
<b>PHYSICAL</b>		
SMart One	3.5" w x 6.0" d x 2.0" h (89 mm w x 152 mm d x 51 mm h)	
<b>APPROVALS</b>	Products tested and approved by ITS to comply with CSA\UL\CE standards.	

Cadex Electronics Inc. has, to the best of its ability, verified the proper operation of the charger with regards to the above stated battery(ies). Cadex Electronics Inc. is not responsible in any way for changes, additions or revisions which the battery manufactures may make to their products subsequent to the testing and approval of the battery pack at time of manufacturing of the charging device.

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