

# A SERIES CHARGER

## MODEL:STTL3000A4850L



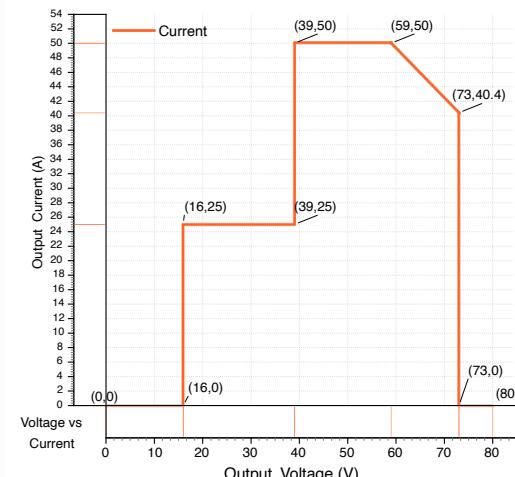
### FEATURES

CAN, Optional
Auxiliary power, 12V/ 0.2A, Optional
Built-in indicator light
Customized External Indicator Light
Vehicle Charging Interlock System

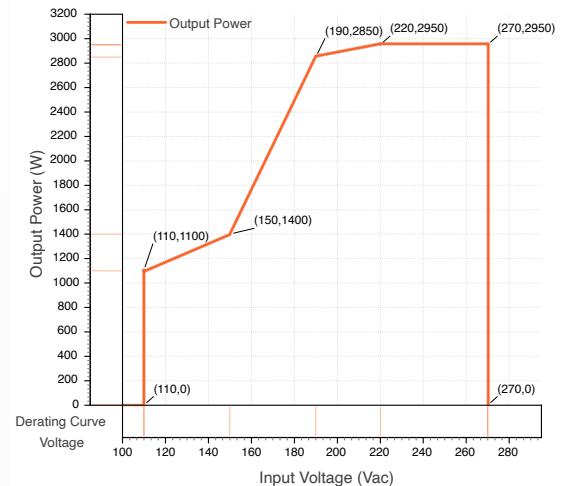
### SAFETY

Isolation Levels (Input - Output)	Basic insulation: 2000VAC
Isolation Levels (Input - Shell)	Basic insulation: 2000VAC
Isolation Levels (Output - Shell)	Basic insulation: 1000VAC
Insulation resistance	
Drop Resistance	

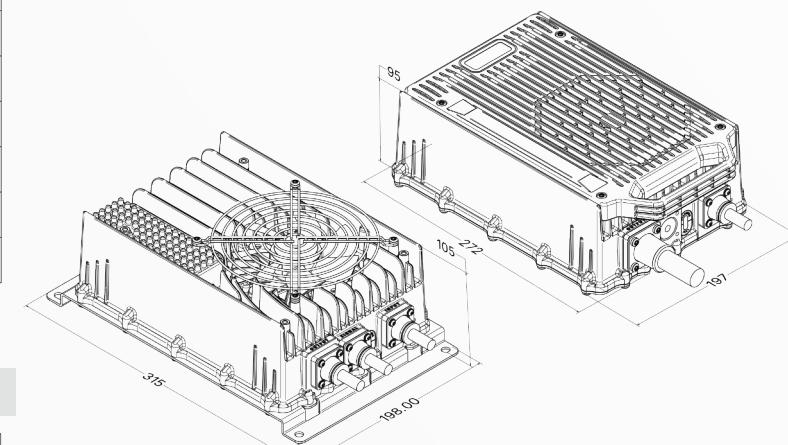
### OUTPUT VOLTAGE VS CURRENT



### UIN VS POWER



### DIMENSIONS



### MECHANICAL

Dimensions (mm)	272*197*95 mm
IP Rating	IP65 (charger housing)
Weight	5kg (11.0lb)
Cooling Method	Forced Air Cooling
Number of Ports	
Mounting Options	
Enclosure Type	
Connectors	
Encapsulant	

### ENVIRONMENTAL

Operating Temperature	-30°C~65°C
Storage Temperature	-40°C~95°C
Altitude	2000m
Vibration & Shock	
Audible Noise	
Relative Humidity	
Design Life	

### REGULATORY

IEC 61000-3-2/-3-3, IEC 61000-4-2/-4-3/-4-4/-4-5/-4-6/-4-8/-4-11, IEC 61000-6-2/-6-3
IEC 61851-21-2 (CISPR 11), ISO 10605, ISO 11452-2/-4, IEC 60335-1/-2-29

### MAIN ATTRIBUTES

Max Output Power	2950W
Peak Efficiency	90%@220VAC
Voltage Range	40V ~ 73V
CP Mode Output Current	50A
MTBF	
Voltage Regulation	
Current Regulation	
Topology	
Battery Type	Lead-acid and Lithium-ion (48V nominal)

### PROTECTIONS

Input Under/Over Voltage	When the AC input voltage is lower than 200Vac, the charger will reduce power according to the built-in formula; when the AC input voltage is lower than 165Vac and greater than 150Vac, the charger will output at the minimum current; when the AC input voltage is lower than 150Vac, the charger will stop working and issue an undervoltage alarm.
Input Overcurrent	
Output Over Voltage	When the charger detects that the output voltage exceeds the software's internal output overvoltage protection setting, the test charger should immediately cut off the output relay and give an alarm signal;
Output Overcurrent	When the load current exceeds the output overcurrent protection value set inside the charger, the charger immediately cuts off the output relay and sends an alarm signal;
Output Short Circuit	When the charger output is short-circuited, the charger has no output and an alarm prompts;
Output Reverse Polarity & No Load Protection	If the battery is connected reversely, the charger will have no output and an alarm will appear;
	When the charger cannot detect the battery voltage or the battery voltage is lower than the internally set minimum threshold (1/3 of the rated voltage of the battery pack), the charger will alarm and indicate no output;
Automatic Shutdown	Yes
Over Temperature Protection	1. When the internal temperature of the machine exceeds the internal set value, the charging current automatically decreases; the charger shuts down and alarms when the ambient temperature exceeds 65±2°C. When the ambient temperature drops to 55±2°C, the charger resumes charging; 2. Environment The charger will shut down and alarm when the temperature is lower than -40±2°C. When the ambient temperature returns to -35±2°C, the charger will resume charging. Note: If the external temperature probe is attached to the battery, it will detect abnormal battery temperature.

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