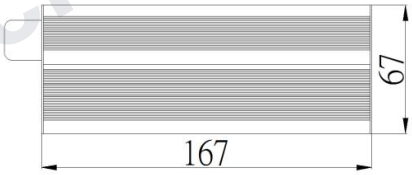
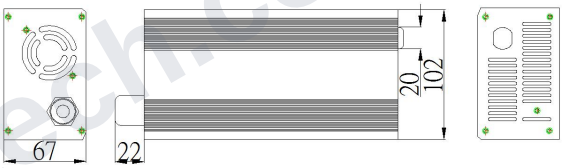
VT-QD450A SERIES SEALED CHARGER

This series chargers design of unsealed structure. It suitable for flooded lead acid batteries, sealed lead acid batteries, Lithium batteries, NI-MH batteries, Nickle Cadmium batteries, etc. They ate used to cycle charge or floating charge battery pack in electric Bumper Car, Walk-behind Mowers, fork lifts, Floor Scrubber, AGV, ships, Electric Aerial Work Platform Walk-behind Mowers Electric Watercraft.Work Platforms

Models	Rated Voltage for Battery Pack	Output Voltage Range	Max Output current	CV			cut-off Current
				Lead Acid	Li-ion	LiFePO4	Li
QD450A-12V20A	12V	12-17V	20A	14.7V	12.6V	14.6V	1.5A
QD450A-24V12A	24V	24-34V	12A	29.4V	29.4V	29.2V	1.5A
QD450A-24V15A	24V	24-34V	15A	29.4V	29.4V	29.2V	1.5A
QD450A-36V10A	36V	30-44V	10A	44.1V	42.0V	43.8V	1.0A
QD450A-48V06A	48V	39-60V	06A	58.8V	54.6V	58.4V	1.0A





TECHNOLOGY PARAMETERS			
AC Input Voltage Range	90-132V&180-264VAC；45-65Hz		
AC Input Max Current	3.3A@220VAC		
Efficiency	≥90.0%		
Noise	≤45dB		
Product characteristics			
SAFFTY	Active Two-Transistor Forward technique is applied for a rapid respond on a fault; Quick active software self -protection and reliable passive hardware self-protection on VOLTAGE&CURRENT; Advanced charging strategy is integrated as a safeguard for battery system.		
RELIABILITY	The shell is shaped by extrue Aluminum technique. And The conformal coating can protect the PCBA . The active cooling fan is also designed to be a fan with a potting structure and a longer life. Products of Charger Series have been operating in all kinds of industrial environment (Wet. Hot. Cold. High altitude) for more than ten years,the design is proved to pass the verification.		
SIZE AND WEIGHT&TEMPERATURE			
Net Weight	1.2kg	Operating Temperature	—30℃—65℃
Storage Temperature	—40℃—95℃	Size	167*102*67

PROTECTION FUNCTIONS	
Burnout Protection	Temperature of charger exceeds the limitation. The charge will low down the power load. Temperature of environment exceeds 65℃, the charger will stop charging and switch itself to standby mode until temperature of environment goes down.
Protection for Reverse Connection of Batteries	The circuit inside the charger shuts down with batteries when the batteries are connected reversely and will not damage the charger.
NO-load Protection	There is no output when the batteries are not connected.
Short Circuit Protection	The circuit inside the charger shuts down with batteries when output is short circuit. The charger will start charging only after troubleshooting and restart the charger.
Automatic shutdown when fully charging	The charging automatically turns off after the battery is fully charged according to the charger's judgment.

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