VTEKE®

BATTERY CHARGER

VBC2410, VBC2410D

FEATURES

VBC-2410 is drived by a micro controller which provides extra safety, higher performance and longer product life. Available in DIN rail mount (VBC-2410D) or plate mount (VBC-2410).
The microcontroller controls all the charger functions, below are some of them:

- Temperature protection
- Short circuit protection
- Power Derating when the temperature increases (reduction of current from 10A to 5A)
- LED controllers
- Error checks (such as blown out fuse)



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INPUT

PARAMETER	VALUE
AC Input Voltage	185Vac - 270Vac
DC Input Voltage	250V - 390Vdc
AC Input Frequency	50 - 400Hz
Efficiency	>%85

OUTPUT

PARAMETER	VALUE
DC Output Voltage	27.6V (Battery Voltage 24VDC)
DC Output Charge Current	10A
Output Power	275W
Output Voltage Ripple	±%1
Voltage Regulation	±%1
Load Regulation	±%1
Start-up Time	100ms

OPERATION CONDITIONS

PARAMETER	VALUE
Working Temperature	-20C / +55C
Working Humidity	20-70%
Stock Temperature	-20C / +70C

PROTECTIONS

PARAMETER	VALUE
Input Protection:	With 5A Fuse
Output Short Circuit Protection	With Electronic Protection Can Work Continuously In Short Circuit Condution With 15A Fuse
Battery Reverse Connection Protection	Device Can Work Again By Changing the Output Fuse
Warning by LEDs	Green: Device Normally Running Red: Problem in Device Connections
AC/DC Conversation Method	SMPS High Frequency Conversation
Working Frequency	100kHz