

Battery Charger PITE3970



Product Overview

PITE 3970 adapts the third generation high-power switch model and state-of-art technique of soft-off. Thanks to its high efficiency and reliability, it is now widely applied in different areas like telecom and power utility for all standby battery strings.

- User friendly artwork, easy access to all components by operators.
- Light weight designing, convenient for transportation
- State-of-art technique of soft-off which decreases switch deterioration by 40%
- Strong to provide DC auxiliary supply during emergencies for protection and
- control equipments in case of DC system failure. ̃ Comply with requirements as in IEC 60146-1-1
- Ventilation channel and circuit with dustproof structure
- Accurate display for output voltage, current and other working status on LCD screen
- Build-in CPU, automated management for battery charging
- Auto calculation for changed time and changed capacity
- Auto transforming from equalized charging to float charge
- It could be combined with extra units for higher output power
- DC power supply for relay protection equipment in experiment and adjustment
- Capable to provide DC power supply for ground fault detection in DC circuit branch
- Could be used as DC power supply in maintenance and examination of power project
- Thermal protection, auto stop in overheating and auto start when temperature recover
- to be normal
- Over-voltage protection and under-voltage warning function, suitable for unattended
- charging for substation batteries
- Protected from abnormal AC supply transient and surges
- No reverse current from the battery or load feeding the charger

Technical Specification

- **Temperature:** -10°C~ 40°C(operation), -25°C~ 55°C
 - (storage)
- **Altitude:** <2000 M
- **Humidity:** <95% (daily), <90% (monthly)
- **Input volt:** sinusoidal wave,-15%nom~20%nom
- **Memory:** 16MB (internal), 4GB (external USB)
- **Reliability:** MTBF≥100000
- **Noise:** ≤55dB
- **Cooling:** Force air cooling

More customized models available upon request

Output Range	Index	
	P1140	P2240
Output nom voltage	110V	220V
Voltage range	90V~132 V	180~288V
Output nominal current	40A	40A
Current limit	0~105% nominal output current	
Volt-stabilization accuracy	±0.2%	
Ripple coefficient	±0.05(rms) , ±0.2%(peak)	
Current-stabilization accuracy	±0.2%	
Soft start time	3~8s	

Charger Input	Range
Input voltage	380V(-15%, +20%), 3p
Input Frequency	50Hz±10%
Input current	25A
Power factor	0.93 (Full load)
Overall efficiency	93% (Full load)