

PITE 3970 Battery Charger



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.

Feature

- High output power with light weight
- 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
- Could be used as backup power in case of DC charge malfunction

- Versatile configuration for different applications in battery maintenance
- Over-voltage protection and undervoltage warning function
- Thermal protection, auto stop in overheating and auto start in normal temperature

Model	Output	Dimension	Weight
P22040	220V, 40A	590×397×131mm	29.5 Kg
P11050	110V, 50A	590×397×131mm	29.5 Kg

Far more models like 48V and 380V are available upon request.

Parameter

Temperature: -10°C ~ 40°C (working)

-25°C ~ 55°C (storage)

Altitude: <2000 M

Humidity: <95% (daily), <90% (monthly)

Input volt: sinusoidal wave, -15%norm~20%norm

Input Hz: 45Hz~55Hz

Input Range	Index
	P22040 & P11050
Input voltage	380V (-15%, +20%) 3P 3W
Input Frequency	50Hz±10%
Input current	25A
Power factor	0.93 (Full load)
Overall efficiency	93% (Full load)

Output Range	Index	
	P1150	P2240
Output nom voltage	110V	220V
Voltage range	20 V~150 V	40 V~300 V
Output nom current	50A	40A
Current limit	0~105% nom output current	0~105% nom output current
Volt-stabilization accuracy	±0.2%	±0.2%
Current-stabilization accuracy	±0.2%	±0.2%
Ripple coefficient	±0.05 (rms) ±0.2% (peak)	±0.05% (rms) ±0.2% (peak)
Soft start time	3~8s	3~8s