

UPS Calculator Report

Input Parameters

IT Load: 100.0 kW

Runtime: 15 min

Redundancy Level: N+1

Power Factor: 0.9

Growth Margin: 20%

Safety Margin: 10%

Calculation Results

Configuration: Parallel Redundant

UPS Capacity: 73.33 kW / 81.48 kVA

Battery Capacity: 83.03 Ah

Heat Dissipation: 500427 BTU/h

Engineering Recommendations

1. Each UPS system must be at least 73.33 kW capacity.
2. Battery array must provide at least 83.03 Ah capacity.
3. Recommended topology: Parallel Redundant.