

28V UPS Power Supply

Rechargeable lithium-ion battery system

28V battery system ideal for applications requiring 70°C operation

Saft's UPS power supply consists of high power VL 34P cells packaged in 2p8s configuration. It is suited for applications with high operating temperature requirements such as defense and naval applications.

Saft supplies complete energy storage systems customized as needed to meet customer specifications.

Benefits

- S9310-AQ-SAF-010 NAVSEA lithium-ion battery safety approval
- 70°C operation for 2 years
- High power
- No ventilation required
- Low life cycle costs
- Reliable and safe

Key features

- Electronics:
 - Over-charge protection
 - Over-discharge protection
 - Over-current protection
 - RS 485 communication
- Hardware:
 - Stainless steel case
 - Burst protection mechanism
 - 450 A circuit breaker
- Charge controller:
 - Current limiting at 4 A

Typical applications

- Defense
- Applications requiring high power and high energy
- Uninterruptible equipment
- High temperature applications



Electrical characteristics

Nominal voltage at 50% SOC	28 V
Charge limit	32.8 V
Discharge limit	21 V
Maximum continuous current at 25°C	450 A
Continuous power at 50% SOC	13.1 kW
Energy	950 Wh
Specific energy	28.3 Wh/kg
Capacity 25°C	34 Ah
Impedance at 5 sec (250 A discharge)	8 mΩ

Mechanical characteristics

Weight	33.6 kg
Height	8.0 in
Width	9.8 in
Length	24.5 in

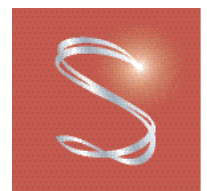
Operating conditions

Operating temperature	-30°C to +70°C
Storage and transportation temperature	-40°C to +70°C

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