

# Integrated Charger Battery

## Rechargeable lithium-ion battery system

28 V high energy Li-ion battery system with integrated charger

Saft's 28 V integrated charger battery (ICB) is comprised of 16 VL 52E high energy Li-ion cells in a 2p8s configuration, and has a capacity of 100 amp/hours. The battery can accept AC charging and use the stored energy to provide a reliable power source. Its rack-mount design is well-suited for on-board equipment installation.

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

### Benefits

- Integrated charging capability - no need for external charger
- Maintenance free
- Light weight
- Fast re-charge capability
- No ventilation required

### Safety Features

- Electronics:
  - Over-charge protection
  - Over-discharge protection
  - Over-current protection
- Hardware:
  - Pressure compensated box
  - Burst prevention mechanism
  - Carry handles
  - Arctic glove functional
  - Keyed connectors

### Applications

- 28 V back-up power
- Exportable power
- Military / defense



Saft PN 205975 (Reference Only)

### Electrical characteristics

Voltage	OCV	31.8 V
	Mid-discharge	28.8 V
	Cut-off	24.0 V
Maximum charge		32.0 V
Capacity	+60°C	>80 Ah
	+21°C	>80 Ah
	-40°C	>70 Ah
Discharge times at 100 Amps from full state of charge	+60°C	15 minutes (minimum)
	+21°C	45 minutes
	-40°C	15 minutes (minimum)
Discharge rate		100 A

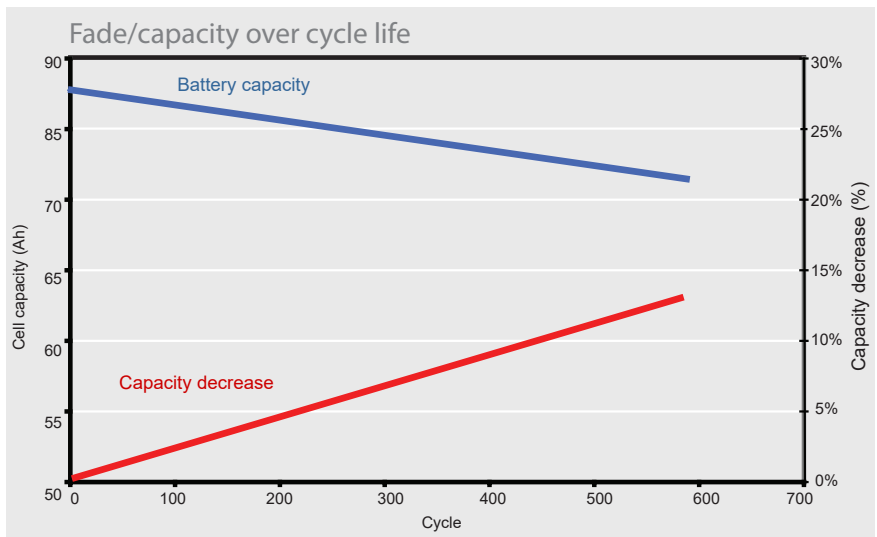
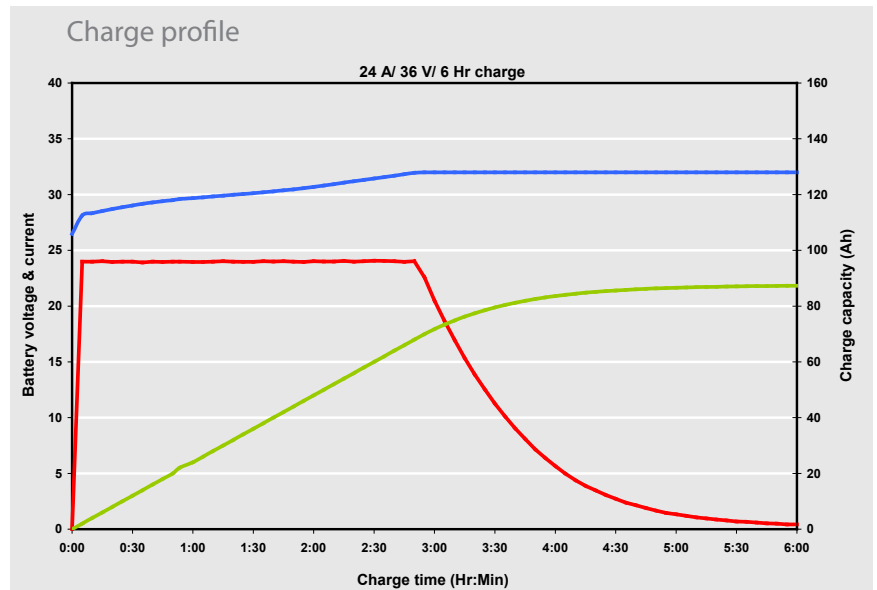
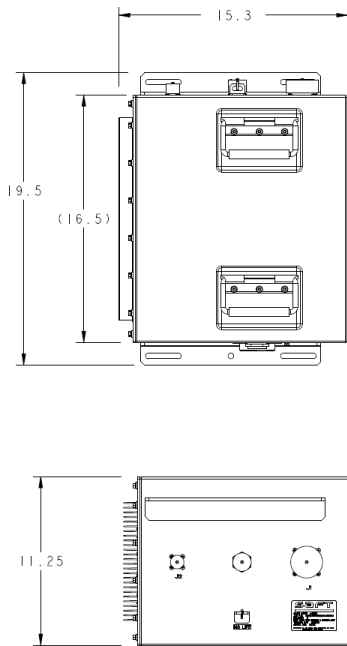
### Mechanical characteristics

Weight	76 lbs./31.5 kg
Height	11.25 in./235.8 mm
Width	15.3 in./388.6 mm
Length	19.5 in./495.3 mm

### Qualifications

Transport	UN and DoT approved
Altitude	50,000 ft./15,240 m.
Water proof	3 ft.
Vibration spectrum	full
Shock spectrum	full
Electromagnetic spectrum	full

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