

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

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Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
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Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Россия (495)268-04-70

Пермь (342)205-81-47
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Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Казахстан (772)734-952-31

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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Технические характеристики на перезаряжаемые литий-ионные военные аккумуляторы

DHY 307

Military rechargeable Li-ion battery

29.2V high energy Li-ion battery with high performance and **reliability**

DHY 307 battery is compatible with military applications requiring safety, reliability, long operating life under cycling conditions and offers excellent performance in temperature environments from -35°C to $+60^{\circ}\text{C}$.

Benefits

- Excellent operating lifetime in calendar and cycling with a very stable internal resistance
- Long shelf life with extremely low capacity loss in storage
- Smaller environmental footprint than other technologies

Key features

- High energy density (204 Wh/l and 136 Wh/kg)
- Cycle life more than 1800 cycles at 100% DoD at C/2 discharge, C/ charge
- ABS NATO green casing
- Ingress protection (IP 68)
- Operates in any orientation
- Maintenance free
- No memory effect
- **Manufactured in the EU**

Designed to meet all major quality, safety and environmental standards

- Safety: UL 1642 and IEC 62133-2:2017
- Transport: UN 3480, UN 38.3
- Quality: ISO 9001:2009
- Environment: ISO 14001, RoHS and REACH compliant

Typical applications

- Combat net radio
- Laser designator
- Tactical ground radar
- Surveillance equipment



Electrical characteristics

Typical capacity [at C/5 rate, $+20^{\circ}\text{C}$, 2.5V cut-off] ^[i]	13.6 Ah
Nominal voltage	29.2 V
Nominal energy	397.1 Wh
Recommended maximum discharge current ^[ii] (limited by the electronic protection circuit)	Continuous 12.0 A ^[iv] ($+20^{\circ}\text{C}$) Pulse 18.0 A ^[iv] ($+20^{\circ}\text{C}$)

Physical characteristics (sleeved cell)

Length (maximum)	193.0 mm
Width (maximum)	74.0 mm
Height (maximum including terminals)	136.0 mm
Typical weight	3.0 kg
Volume (including terminals)	1.94 l
IEC battery designation	8INP/74/193/136-2
internal battery designation	8s2p MP176065 xlr
part number	08667D
NATO / OTAN stock number (NSN)	6140-14-596-9136

Operating conditions

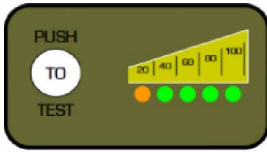
Typical cut-off voltage	20.0 V
Charging method	Constant current/Constant voltage
Charging voltage	$33.6 \pm 0.05\text{V}$
Maximum continuous charge current ^[iii]	12.0 A ^[iv] [$\sim 1\text{C}$]
Operating temperatures	Charge ^[iii] -30°C to $+60^{\circ}\text{C}$ Discharge ^[iii] -35°C to $+60^{\circ}\text{C}$
Storage & transportation temperatures	Recommended $+10^{\circ}\text{C}$ to $+30^{\circ}\text{C}$ Allowable -40°C to $+60^{\circ}\text{C}$

[i] Can vary depending on temperature and discharge rate

[ii] Can vary depending on temperatures. Consult

[iii] For optimised charging below 0°C and above $+60^{\circ}\text{C}$, consult [iv]
Limited by the electronic protection circuit

DHY 307 rechargeable Li-ion battery



Independent five segment fuel gauge

- Assess and verify the batteries state of charge at any time.
- Verify the state of charge prior to transportation or use.
- The fuel gauge does not use any energy while the display is inactive

Electronic Protection Circuit

Built-in protection devices at battery and cell level ensures safe operation and user safety in case of abusive or extreme conditions. These conditions include, but are not limited to;

- Exposure to excessive heat
- Sustained exposure to direct sunlight
- External short circuit
- Overcharging the battery (resettable)
- Over discharging the battery (resettable)
- Mechanical damage

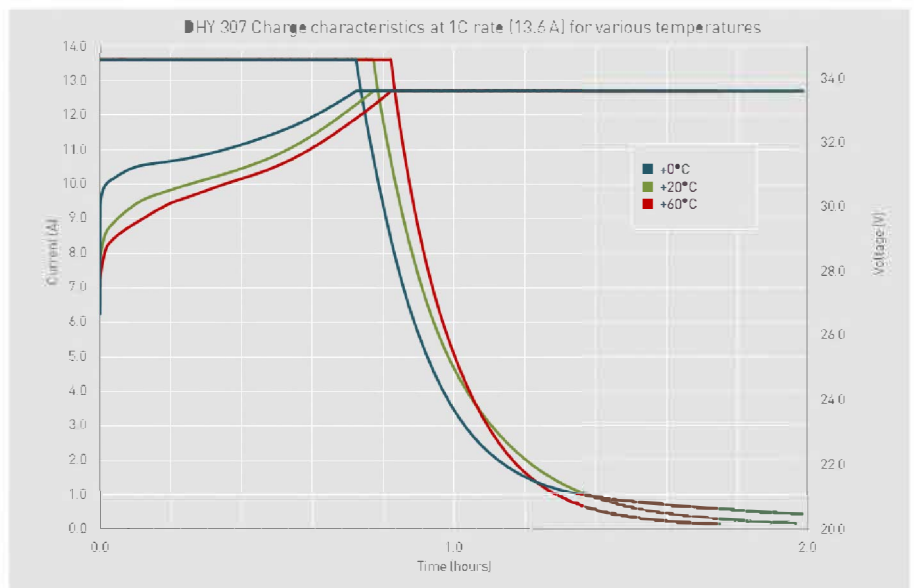
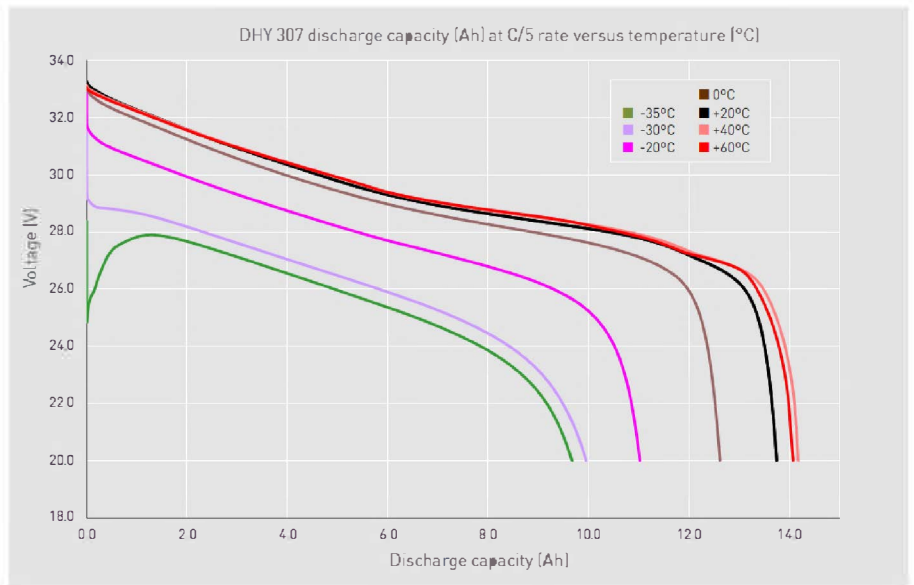
Transport and Storage

- The storage area should be clean, cool (preferably between +10°C and +30°C), dry and ventilated
- For long-term storage, keep the battery state of charge within a 30% to 15% range.

Warnings

- Do not crush, short-circuit, incinerate, dismantle, immerse in any liquid or heat above +85°C
- Observe charging conditions at all times
- Do not solder or weld directly to battery terminals
- Do not disassemble
- Do not disable, disconnect or modify the electronic protection circuit

Environmental requirement	MIL-STD reference
High Temperature	MIL-STD 810E, 501.3 (+60°C)
Low Temperature	MIL-STD 810E, 502.3 (-20°C)
Vibration	MIL-STD 810C, 514.2 H
Shock	MIL-STD 810E, 516.4
Salt Fog	MIL-STD 810E, 509.3 I
Immersion	MIL-STD 810E, 512.3
NATO/ OTAN Stock Number (NSN)	6140-14-596-9136
Saft's Part Number	08667D



BA685C

Military rechargeable Li-ion battery

14.4V high energy Li-ion battery with high performance and durability

BA685C battery is compatible with military applications requiring safety, reliability, long operating life under cycling conditions and offers excellent performance in temperature environments from -35°C to +60°C.



Benefits

- Excellent operating lifetime in calendar and cycling with a very stable internal resistance
- Long shelf life with extremely low capacity loss in storage
- Smaller environmental footprint than other technologies

Key features

- High energy density (123 Wh/l and 107 Wh/kg)
- Cycle life more than 1800 cycles at 100% DoD at C/2 discharge, C/ charge
- ABS high impact casing
- Ingress protection (IP 68)
- Operates in any orientation
- Maintenance free
- No memory effect
- **Manufactured in the EU**

Designed to meet all major quality, safety and environmental standards

- Safety: UL 1642 and IEC 62133-2:2017
- Transport: UN 3480, UN 38.3
- Quality: ISO 9001:2009
- Environment: ISO 14001, RoHS and REACH compliant

Typical applications

- Combat net radio
- Tactical radio
- ALI 116, ALI 143, TRC 9200, PR4G
- Surveillance equipment

Electrical characteristics

Typical capacity (at C/5 rate, +20°C, 2.5V cut-off) ^[i]	12.7 Ah
Nominal voltage	14.4 V
Nominal energy	182.9 Wh
Recommended maximum discharge current ^[ii] (limited by the electronic protection circuit)	Continuous 5.0 A ^[iii] (+20°C)
Identification resistor	11.5 kΩ ±1%

Physical characteristics (sleeved cell)

Length (maximum)	259.0 mm
Width (maximum)	79.0 mm
Height (maximum including terminals)	73.0 mm
Typical weight	1700 g
Volume (including terminals)	1.49 l
IEC battery designation	41NP/79/259/73-2
Camouflage colour	NATO green / desert sand
part number	08642W
NATO / OTAN stock number (NSN)	6140 14 599 2486

Operating conditions

Typical cut-off voltage	10.0 V
Charging method	Constant current/Constant voltage
Charging voltage	16.4 ± 0.05V
Maximum continuous charge current ^[iii]	5.0 A ^[iii] (~1C rate)
Operating temperatures	Charge ^[iii] -30°C to +60°C Discharge ^[iii] -35°C to +60°C
Storage & transportation temperatures	Recommended +10°C to +30°C Allowable -40°C to +60°C

[i] Can vary depending on temperature and discharge rate

[ii] Can vary depending on temperatures. Consult

[iii] For optimised charging below 0°C and above +60°C, consult [iv]
Limited by the electronic protection circuit



BA685C rechargeable Li-ion battery



Independent five segment fuel gauge

- Assess and verify the batteries state of charge at any time.
- Verify the state of charge prior to transportation or use.
- The fuel gauge does not use battery energy while the display is inactive

Electronic Protection Circuit

Built-in protection devices at battery and cell level ensures safe operation and user safety in case of abusive or extreme conditions. These conditions include, but are not limited to;

- Over voltage protection
- Under voltage protection
- Over current protection
- Short circuit protection
- Over temperature protection
- Fuse protection as an option
- NTC integrated in circuit
- Zero volt (0V) battery protection
- UL94-V0

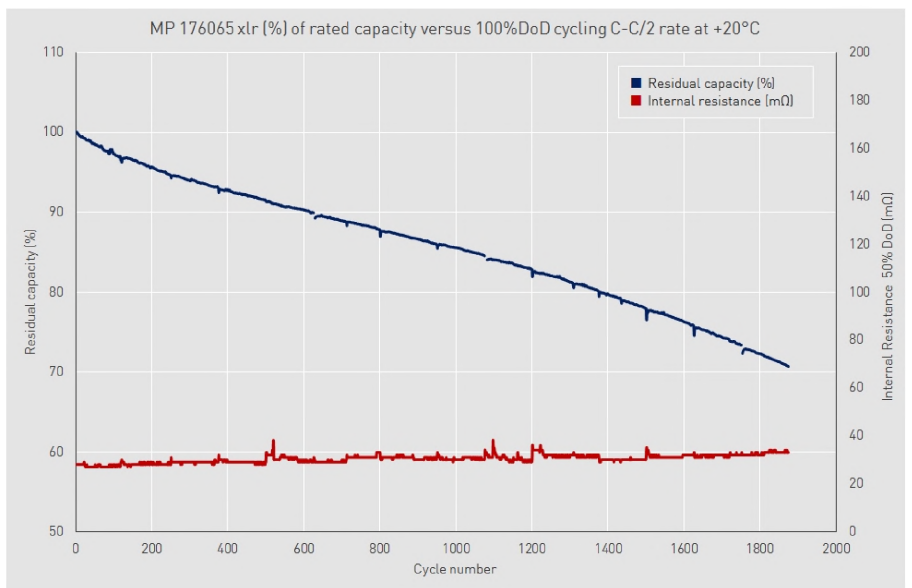
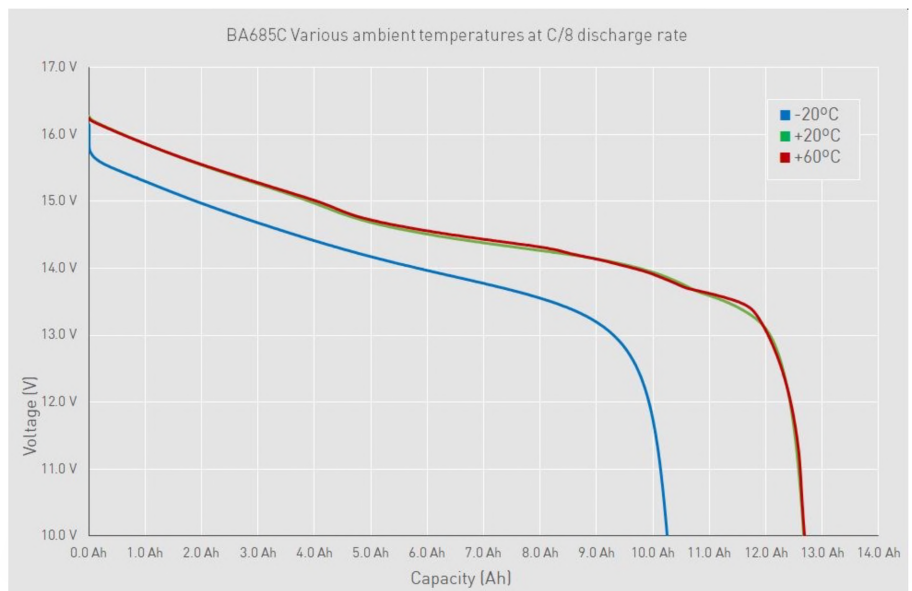
Transport and Storage

- The storage area should be clean, cool (preferably between +10°C and +30°C), dry and ventilated
- For long-term storage, keep the battery state of charge within a 30% to 15% range.

Warnings

- Do not crush, short-circuit, incinerate, dismantle, immerse in any liquid or heat above +85°C
- Observe charging conditions at all times
- Do not solder or weld directly to battery terminals
- Do not disassemble
- Do not disable, disconnect or modify the electronic protection circuit

Environmental requirement	MIL-STD reference
High Temperature	MIL-STD 810E (+60°C)
Low Temperature	MIL-STD 810E (-20°C)
Vibration	MIL-STD 810C
Shock	MIL-STD 810E
Salt Fog	MIL-STD 810E
Immersion	MIL-STD 810E
NATO/ OTAN Stock Number (NSN)	6140 14 599 2486
Saft's Part Number	08642W



BA684C

Military rechargeable Li-ion battery

7.2 V high energy Li-ion battery with high performance and durability

BA684C battery is compatible with military applications requiring safety, reliability, long operating life under cycling conditions and offers excellent performance in temperature environments from -35°C to $+60^{\circ}\text{C}$.

Benefits

- Excellent operating lifetime in calendar and cycling with a very stable internal resistance
- Long shelf life with extremely low capacity loss in storage
- Smaller environmental footprint than other technologies

Key features

- High battery energy density (198 Wh/l and 101 Wh/kg)
- Cycle life more than 1800 cycles at 100% DoD at C/2 discharge, C/ charge
- Aluminium alloy casing
- Ingress protection (IP 68)
- Operates in any orientation
- Maintenance free
- No memory effect
- **Manufactured in the EU**

Designed to meet all major quality, safety and environmental standards

- Safety: UL 1642 and IEC 62133-2:2017
- Transport: UN 3480, UN 38.3
- Quality: ISO 9001:2009
- Environment: ISO 14001, RoHS and REACH compliant

Typical applications

- Laser designator
- Tactical radio
- ALI 142, TRC 9100, PR4G
- Surveillance equipment

Electrical characteristics

Typical capacity (at C/5 rate, $+20^{\circ}\text{C}$, 2.5V cut-off) ^[i]	6.3 Ah
Nominal voltage	7.2 V
Nominal energy	45.3 Wh
Recommended maximum discharge current ^[ii]	Continuous 5.0 A ^[iv] ($+20^{\circ}\text{C}$) (limited by the electronic protection circuit)
Identification resistor	15 k Ω \pm 1%

Physical characteristics (battery)

Length (maximum)	67.4 mm
Width (maximum)	38.1 mm
Height (maximum including terminals)	89.0 mm
Typical weight	450 g
Volume (including terminals)	0.228 l
IEC battery designation	2INP/39/68/89
Camouflage colour	NATO green / desert sand
part number	08645Z
NATO / OTAN stock number (NSN)	6140 14 597 8164

Operating conditions

Typical cut-off voltage	5.0 V
Charging method	Constant current/Constant voltage
Charging voltage	8.2 \pm 0.05V
Maximum continuous charge current ^[iii]	5.0 A ^[iv] (\sim 1C rate)
Operating temperatures	Charge ^[iv] -30°C to $+60^{\circ}\text{C}$ Discharge ^[iv] -35°C to $+60^{\circ}\text{C}$
Storage & transportation temperatures	Recommended $+10^{\circ}\text{C}$ to $+30^{\circ}\text{C}$ Allowable -40°C to $+60^{\circ}\text{C}$

[i] Can vary depending on temperature and discharge rate

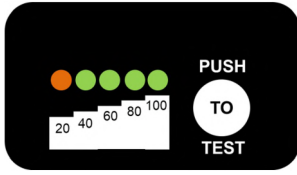
[ii] Can vary depending on temperatures. Consult

[iii] For optimised charging below 0°C and above $+60^{\circ}\text{C}$, consult [iv]

Limited by the electronic protection circuit



BA684C Military Li-ion battery



Independent five segment fuel gauge

- Assess and verify the batteries state of charge at any time.
- Verify the state of charge prior to transportation or use.
- The fuel gauge does not use battery energy while the display is inactive

Electronic Protection Circuit

Built-in protection devices at battery and cell level ensures safe operation and user safety in case of abusive or extreme conditions. These conditions include, but are not limited to;

- Over voltage protection
- Under voltage protection
- Over current protection
- Short circuit protection
- Over temperature protection
- Fuse protection as an option
- NTC integrated in circuit
- Zero volt (0V) battery protection
- UL94-V0

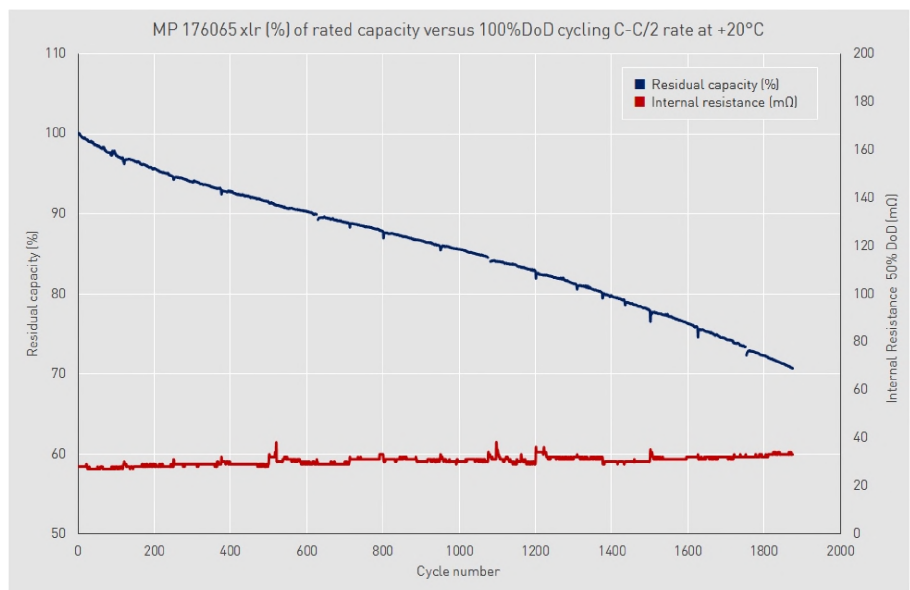
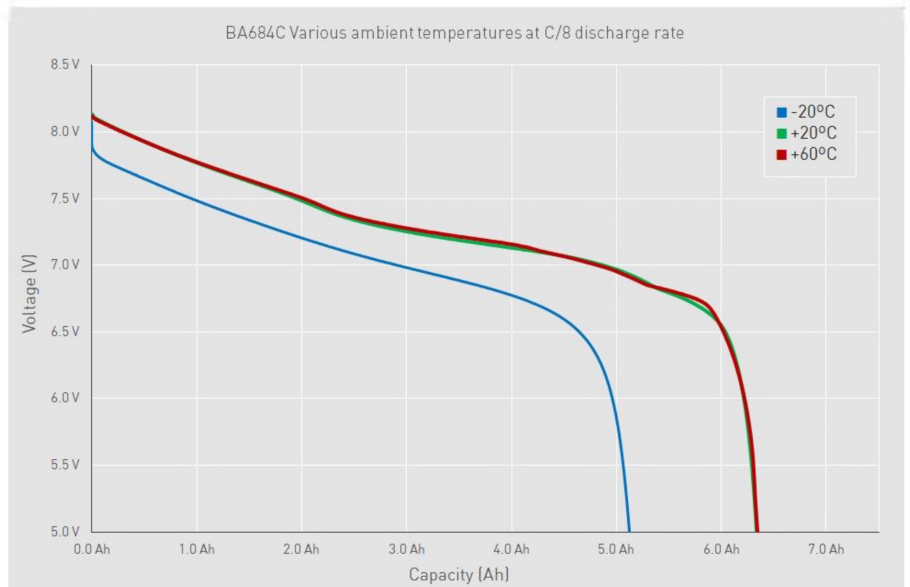
Transport and Storage

- The storage area should be clean, cool (preferably between +10°C and +30°C), dry and ventilated
- For long-term storage, keep the battery state of charge within a 30% to 15% range.

Warnings

- Do not crush, short-circuit, incinerate, dismantle, immerse in any liquid or heat above +85°C
- Observe charging conditions at all times
- Do not solder or weld directly to battery terminals
- Do not disassemble
- Do not disable, disconnect or modify the electronic protection circuit

Environmental requirement	MIL-STD reference
High Temperature	MIL-STD 810E (+60°C)
Low Temperature	MIL-STD 810E (-20°C)
Vibration	MIL-STD 810C
Shock	MIL-STD 810E
Salt Fog	MIL-STD 810E
Immersion	MIL-STD 810E
NATO / OTAN Stock Number (NSN)	6140 14 597 8164
Saft's Part Number	08645Z



BA685D

Military rechargeable Li-ion battery

14.6V high energy Li-ion battery with high performance and **reliability**

Saft's BA685D battery is compatible with military applications requiring safety, reliability, long operating life under cycling conditions and offers excellent performance in temperature environments from -35°C to +60°C.



Benefits

- Excellent operating lifetime in calendar and cycling with a very stable internal resistance
- Long shelf life with extremely low capacity loss in storage
- Smaller environmental footprint than other technologies

Key features

- High energy density (133 Wh/l and 117 Wh/kg)
- Cycle life more than 1800 cycles at 100% DoD at C/2 discharge, C/ charge
- ABS NATO green casing
- Ingress protection (IP 68)
- Operates in any orientation
- Maintenance free
- No memory effect
- **Manufactured in the EU**

Designed to meet all major quality, safety and environmental standards

- Safety: UL 1642 and IEC 62133-2:2017
- Transport: UN 3480, UN 38.3
- Quality: ISO 9001:2009
- Environment: ISO 14001, RoHS and REACH compliant

Typical applications

- Combat net radio
- Tactical radio
- ALI 116, ALI 143, TRC 9200, PR4G
- Surveillance equipment

Electrical characteristics

Typical capacity [at C/5 rate, +20°C, 2.5V cut-off] ⁽ⁱ⁾	13.6 Ah
Nominal voltage	14.6 V
Nominal energy	198.5 Wh
Recommended maximum discharge current ⁽ⁱⁱ⁾ (limited by the electronic protection circuit)	Continuous 5.0 A ^(iv) (+20°C)

Physical characteristics (sleeved cell)

Length (maximum)	259.0 mm
Width (maximum)	79.0 mm
Height (maximum including terminals)	73.0 mm
Typical weight	1700 g
Volume (including terminals)	1.49 l
IEC battery designation	41NP/79/259/73-2
internal battery designation	4s2p MP176065 xlr
part number	08643X
NATO / OTAN stock number (NSN)	6140 14 599 2483

Operating conditions

Typical cut-off voltage	10.0 V
Charging method	Constant current/Constant voltage
Charging voltage	16.8 ± 0.05V
Maximum continuous charge current ⁽ⁱⁱⁱ⁾	5.0 A ^(iv) [-1C rate]
Operating temperatures	Charge ⁽ⁱⁱⁱ⁾ -30°C to +60°C Discharge ⁽ⁱⁱⁱ⁾ -35°C to +60°C
Storage & transportation temperatures	Recommended +10°C to +30°C Allowable -40°C to +60°C

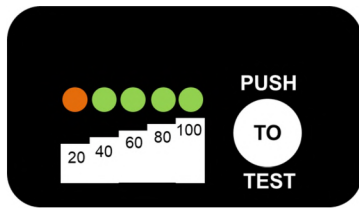
[i] Can vary depending on temperature and discharge rate

[ii] Can vary depending on temperatures. Consult

[iii] For optimised charging below 0°C and above +60°C, consult [iv] Limited by the electronic protection circuit



BA685D rechargeable Li-ion battery



Independent five segment fuel gauge

- Assess and verify the batteries state of charge at any time.
- Verify the state of charge prior to transportation or use.
- The fuel gauge does not use battery energy while the display is inactive

Electronic Protection Circuit

Built-in protection devices at battery and cell level ensures safe operation and user safety in case of abusive or extreme conditions. These conditions include, but are not limited to;

- Over voltage protection
- Under voltage protection
- Over current protection
- Short circuit protection
- Over temperature protection
- Fuse protection as an option
- NTC integrated in circuit
- Zero volt (0V) battery protection
- UL94-V0

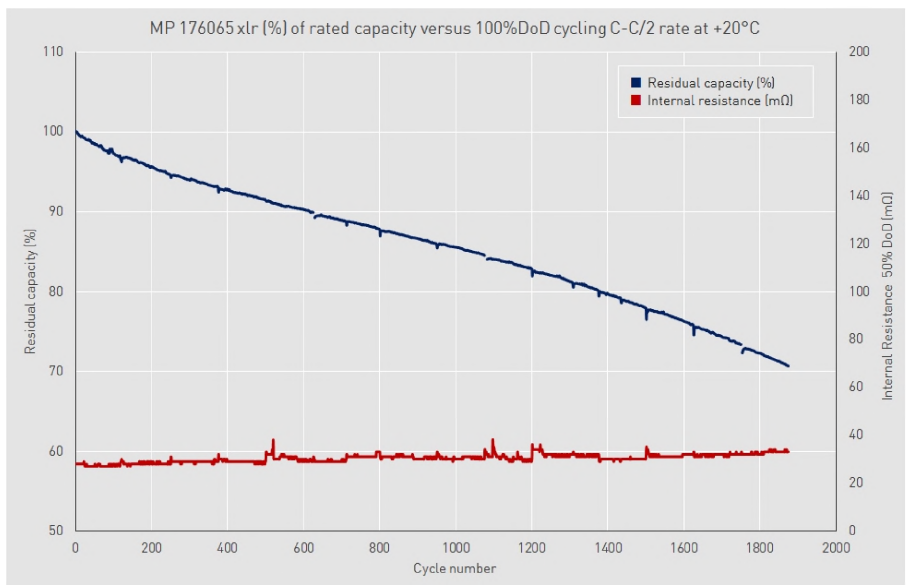
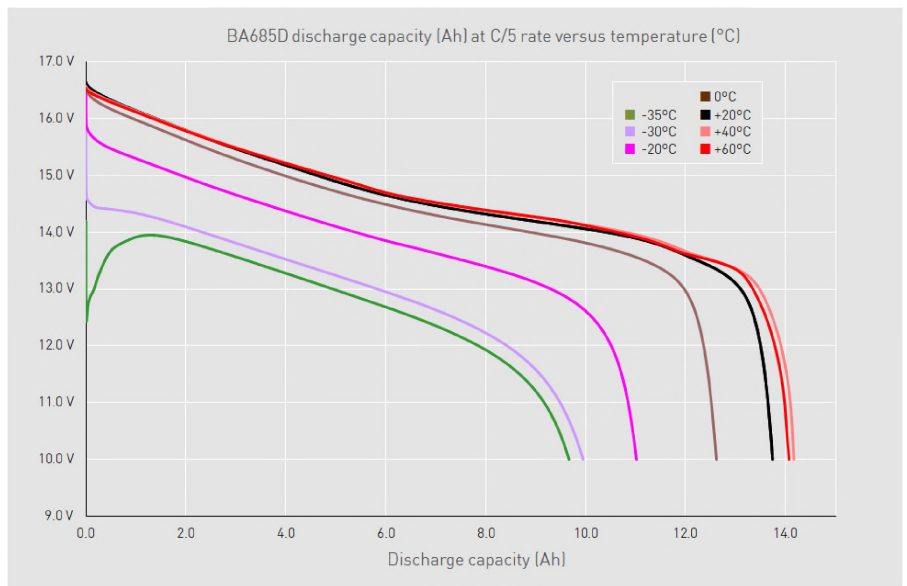
Transport and Storage

- The storage area should be clean, cool (preferably between +10°C and +30°C), dry and ventilated
- For long-term storage, keep the battery state of charge within a 30% to 15% range.

Warnings

- Do not crush, short-circuit, incinerate, dismantle, immerse in any liquid or heat above +85°C
- Observe charging conditions at all times
- Do not solder or weld directly to battery terminals
- Do not disassemble

Environmental requirement	MIL-STD reference
High Temperature	MIL-STD 810E, 501.3 (+60°C)
Low Temperature	MIL-STD 810E, 502.3 (-20°C)
Vibration	MIL-STD 810C, 514.2 H
Shock	MIL-STD 810E, 516.4
Salt Fog	MIL-STD 810E, 509.3 I
Immersion	MIL-STD 810E, 512.3
NATO/ OTAN Stock Number (NSN)	6140 14 599 2483
Saft's Part Number	08643X



BA684D

Military rechargeable Li-ion battery

7.3 V high energy Li-ion battery with high performance and **reliability**

Saft's BA684D battery is compatible with military applications requiring safety, reliability, long operating life under cycling conditions and offers excellent performance in temperature environments from -35°C to +60°C.

Benefits

- Excellent operating lifetime in calendar and cycling with a very stable internal resistance
- Long shelf life with extremely low capacity loss in storage
- Smaller environmental footprint than other technologies

Key features

- High energy density (133 Wh/l and 117 Wh/kg)
- Cycle life more than 1800 cycles at 100% DoD at C/2 discharge, C/ charge
- Aluminium alloy NATO green casing
- Ingress protection (IP 68)
- Operates in any orientation
- Maintenance free
- No memory effect
- **Manufactured in the EU**

Designed to meet all major quality, safety and environmental standards

- Safety: UL 1642 and IEC 62133-2:2017
- Transport: UN 3480, UN 38.3
- Quality: ISO 9001:2009
- Environment: ISO 14001, RoHS and REACH compliant

Typical applications

- Laser designator
- Tactical radio
- ALI 142, TRC 9100, PR4G
- Surveillance equipment

Electrical characteristics

Typical capacity [at C/5 rate, +20°C, 2.5V cut-off] ^[i]	6.8 Ah
Nominal voltage	7.3 V
Nominal energy	49.6 Wh
Recommended maximum discharge current ^[ii] (limited by the electronic protection circuit)	Continuous 5.0 A ^[iv] (+20°C)

Physical characteristics (sleeved cell)

Length (maximum)	67.4 mm
Width (maximum)	38.1 mm
Height (maximum including terminals)	89.0 mm
Typical weight	450 g
Volume (including terminals)	0.228 l
IEC battery designation	21NP/39/68/89
internal battery designation	2s1p MP 176065 xlr
art number	08646A
NATO / OTAN stock number (NSN)	6140 14 599 2477

Operating conditions

Typical cut-off voltage	5.0 V
Charging method	Constant current/Constant voltage
Charging voltage	8.4 ± 0.05V
Maximum continuous charge current ^[iii]	5.0 A ^[iv] (-1C rate)
Operating temperatures	Charge ^[iii] -30°C to +60°C Discharge ^[iii] -35°C to +60°C
Storage & transportation temperatures	Recommended +10°C to +30°C Allowable -40°C to +60°C

[i] Can vary depending on temperature and discharge rate

[ii] Can vary depending on temperatures. Consult

[iii] For optimised charging below 0°C and above +60°C, consult [iv]
Limited by the electronic protection circuit



BA684D rechargeable Li-ion battery



Independent five segment fuel gauge

- Assesses and verifies the batteries state of charge at any time.
- Verify the state of charge prior to transportation or use.
- The fuel gauge does not use battery energy while the display is inactive

Electronic Protection Circuit

Built-in protection devices at battery and cell level ensures safe operation and user safety in case of abusive or extreme conditions. These conditions include, but are not limited to;

- Over voltage protection
- Under voltage protection
- Over current protection
- Short circuit protection
- Over temperature protection
- Fuse protection as an option
- NTC integrated in circuit
- Zero volt (0V) battery protection
- UL94-V0

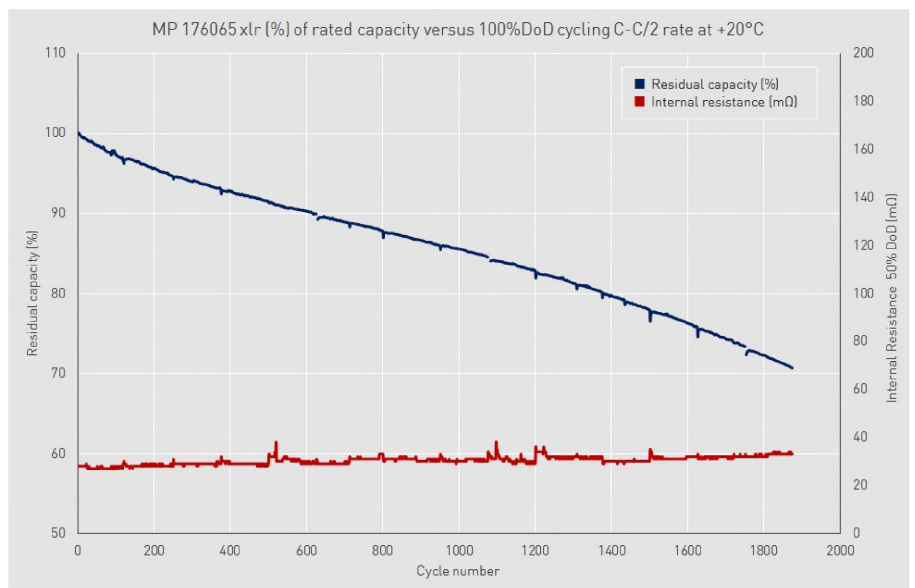
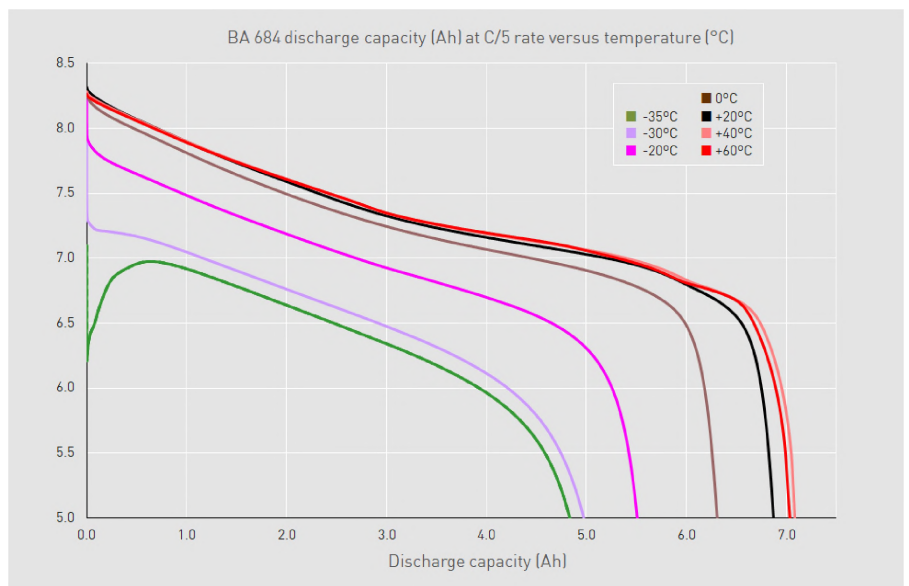
Transport and Storage

- The storage area should be clean, cool (preferably between +10°C and +30°C), dry and ventilated
- For long-term storage, keep the battery state of charge within a 30% to 15% range.

Warnings

- Do not crush, short-circuit, incinerate, dismantle, immerse in any liquid or heat above +85°C
- Observe charging conditions at all times
- Do not solder or weld directly to battery terminals
- Do not disassemble
- Do not disable, disconnect or modify the electronic protection circuit

Environmental requirement	MIL-STD reference
High Temperature	MIL-STD 810E, 501.3 (+60°C)
Low Temperature	MIL-STD 810E, 502.3 (-20°C)
Vibration	MIL-STD 810C, 514.2 H
Shock	MIL-STD 810E, 516.4
Salt Fog	MIL-STD 810E, 509.3 I
Immersion	MIL-STD 810E, 512.3
NATO/ OTAN Stock Number (NSN)	6140 14 599 2477
Saft's Part Number	08646A



Rechargeable lithium-ion battery

7s2p MP 176065 BLF

Extreme performance

The battery consists of the assembly of two parallel branches of seven MP 176065 lithium-ion cells in series (7s2p configuration) and connected by a specifically designed electronic protection circuit.

Benefits

- Extended autonomy and life for mobile systems
- Wide operating temperature range
- Easy integration into compact and light systems
- Several batteries can be connected in parallel to make very large batteries
(Consult for details)
- Unrivalled low temperature performance
- Maintenance-free
- Light weight

Key features

- Electronic protection against charger faults
- Very high energy density
(385 Wh/l and 180 Wh/kg)
- Excellent charge recovery after long storage, even at high temperature
- Long cycle life
(over 70 % initial capacity after 600 cycles 100 % DoD)
- Made and designed in the EU
- Restricted for transport *(class 9)*

Main applications

- Large mobile power supplies
- Man-portable field radar
- Training simulator
- VLF/UHF radio base stations
- Remote sensors



Electrical characteristics

Nominal voltage (2.8 A rate at 20°C)	25.20 V
Typical capacity (under 2.8 A at 20°C 19 V cutoff)	12.2 Ah

Mechanical characteristics

Length max	130 mm
Width max	122 mm
Height max (including contacts)	81 mm
Typical weight	2500 g

Operating conditions

Charge method	Constant Current/Constant Voltage
Max. recommended charge current	10.0 A at 20°C
Charge voltage	28.70 V (± 1%)
Charge temperature range*	- 20°C to +60°C
Time at 20°C	5 hours under 6.1 A constant
Max. recommended continuous discharge current	13 A at 20°C
Discharge cutoff voltage	19 V
Discharge temperature range	- 30°C to +55°C

References

Electrical interface**	Modex connector type 5557 ref. 39-01-2065
Part Number	08001B

* Consult Saft for optimized charging below 0°C and at 60°C

**Custom connectors available: consult Saft

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Technology

- Graphite-based negative electrode
- Lithium Cobalt oxide-based positive electrode
- Electrolyte: organic solvents
- Built-in redundant safety protections
- Battery comprises two parallel branches of seven MP 176065 cells in series and features an electronic protection circuit

Built-in protection devices ensure safety in case of:

- Exposure to heat
- Exposure to direct sunlight for extended periods of time
- Short circuit
- Overcharge
- Overdischarge
- Shrapnel penetration

When handling MP batteries:

- Do not disassemble
- Do not remove the protection circuit
- Do not incinerate

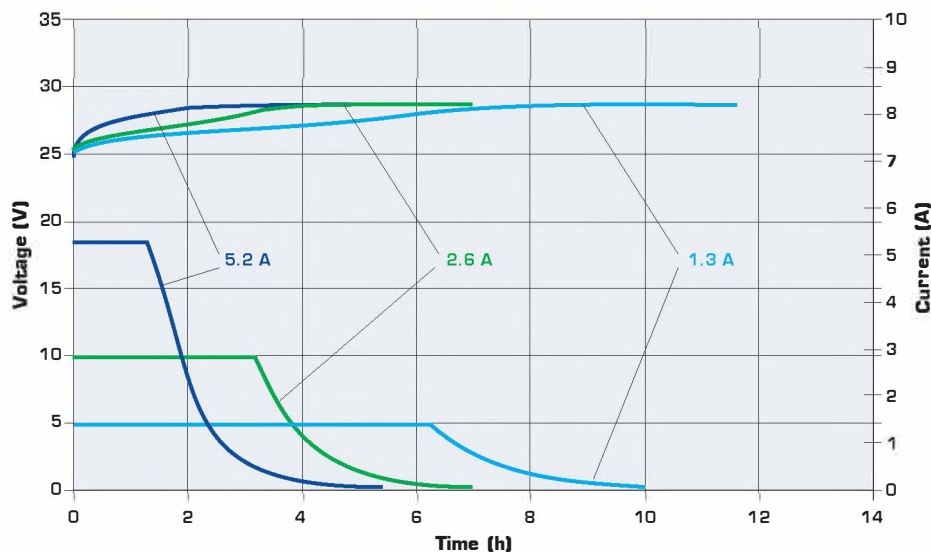
Transportation and storage

- Store in a dry place at a temperature preferably not exceeding 30°C
- For long-term storage, keep the battery within a $[30 \pm 15]$ % state of charge

Protection circuit

- Protection against over voltage (*resettable*)
- Protection against under voltage (*resettable*)
- Protection against over current during discharge

Charge characteristics to 28.7 V at +20°C



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