GOLDEN EXTREME

مجموعة جولدن اكستريم
GOLDEN EXTREME GROUP

FB FALCON BATTERY

FALCON® BATTERIES

Lithium, AGM & UPS Batteries

Energy storage for solar, telecom and backup power · product catalogue

2026



LITHIUM | AGM | UPS | SOLAR · TELECOM · BACKUP

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Dubai · Sharjah

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مجموعة جولدن اكستريم

GOLDEN EXTREME GROUP

Founded 2014 · Dubai · Sharjah

FALCON BATTERY

ABOUT US

Golden Extreme Group

Founded in 2014, Golden Extreme Group is a tyre and battery wholesaler with branches in Deira, Dubai and in Sharjah. From a single vision to a growing distribution network, the group has become a driving force in the UAE's tyre sector.

With 150,000+ sq ft of warehouse space, 120+ sales points and a dedicated team supported by an in-house engineer, we give fleets, tyre shops and dealers fast access to tyre solutions and dependable technical support.

Guided by the values of a family-built business, we continue to support our customers with reliable products, innovation and customer care.

POWERING THE FUTURE

Expanding into renewable energy

At Golden Extreme we are expanding into the renewable energy sector. As the world turns to sustainable power, we are committed to delivering dependable energy-storage solutions for homes and businesses.

Through our Falcon brand we offer lithium, AGM and UPS batteries for solar systems, telecom sites and backup power. They are designed to combine efficiency, reliability and affordability, for residential, commercial and industrial use across the Middle East and Africa.

With this expansion, Golden Extreme continues to build on its reputation for innovation and integrity, powering a cleaner, brighter future.

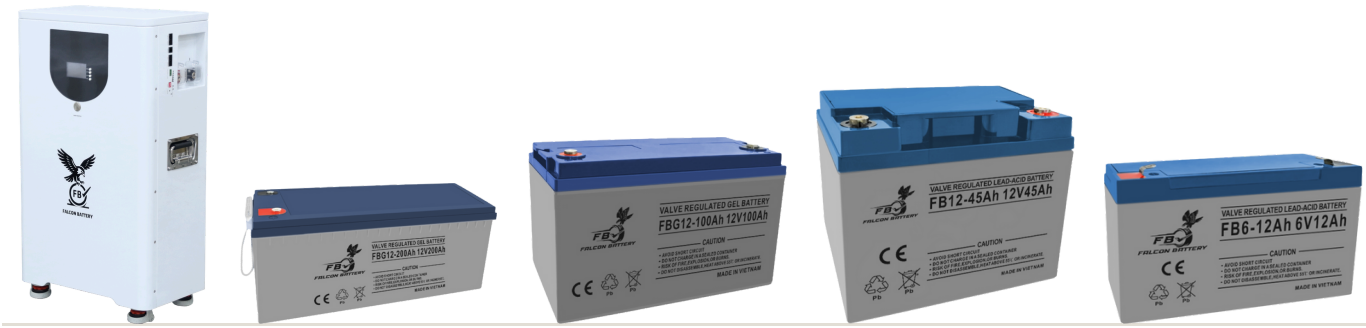
2014
Founded

150,000+
sq ft warehouse space

120+
sales points

2
branches: Deira, Dubai & Sharjah

Our brands. Falcon® and Tubroo® are house brands of Golden Extreme Group. Golden Extreme is also the exclusive UAE agent for YOMAR Tyres.



RANGE AT A GLANCE

Lithium, AGM and UPS batteries

Falcon FBLI lithium, FBG AGM and FB UPS (VRLA) series, plus the Berlino BA gel series, which is a separate brand. All values are taken from the battery source data.



LITHIUM

Falcon FBLI Series

05

48 V (51.2 V) · 100 / 200 / 300 Ah

Indoor / outdoor telecom base stations UPS · Household energy storage systems · Smart transportation backup power supply · Parallel connection up to 15 units



UPS

Falcon FB Series

06

4 V · 4 Ah

UPS · IT equipment · Security systems · Medical devices · General-purpose stand-by use



UPS

Falcon FB Series

07

6 V · 4.5 / 7 / 12 Ah

UPS · IT equipment · Security systems · Medical devices · General-purpose stand-by use



UPS

Falcon FB Series

08

12 V · 5 / 7 / 9 Ah

UPS · IT equipment · Security systems · Medical devices · General-purpose stand-by use



UPS

Falcon FB Series

09

12 V · 18 / 28 / 45 Ah

UPS · IT equipment · Security systems · Medical devices · General-purpose stand-by use



UPS

Falcon FB Series

10

12 V · 65 / 100 Ah

Solar & wind systems · Telecom · UPS · Cyclic use · Renewable energy backup



AGM

Falcon FBG Series

11

12 V · 100 / 150 / 200 Ah

Solar & wind systems · Telecom · UPS · Cyclic use · Renewable energy backup



BERLINO · SEPARATE BRAND

Berlino BA Series

12

12 V · 100 / 200 Ah

Solar & wind power systems · Electric wheelchairs · Golf carts · Medical equipment · Fire alarms

FALCON® · LITHIUM BATTERIES

Falcon FBLI Series

48 V (51.2 V) · 100 / 200 / 300 Ah

APPLICATIONS

- Indoor / outdoor telecom base stations UPS
- Household energy storage systems
- Smart transportation backup power supply
- Parallel connection up to 15 units

FEATURES

- Smart BMS
- Fast charging
- Longer life
- Compatible with many inverters



BATTERY SPECIFICATIONS

Specification	FBLI-48100 (100Ah)	FBLI-48200 (200Ah)	FBLI-48300 (300Ah)
Rated Voltage		51.2 V	
Rated Capacity	100 Ah	200 Ah	300 Ah
Rated Energy	5120 Wh	10240 Wh	15360 Wh
Combination Method		16 S 1 P	
Cycle Life (@80% DOD)		≥ 6000 cycles	
Self-Discharge		1 % / month	
Charge Efficiency		≥ 97 %	
Discharge Efficiency		≥ 98 %	
Charge Voltage		57.6 V	
Recommended Charge Current	20 A	40 A	40 A
Max Charge Current		100 A	
Discharge Cut-off Voltage		43.2 V	
Recommended Discharge Current		100 A	
Max / Pulse Current	100 A	220 A (pulse)	220 A (pulse)
Charge Temperature		0 °C ~ 60 °C	
Discharge Temperature		-20 °C ~ 60 °C	
Humidity		5 % ~ 95 %	
IP Class	IP30	IP30	IP32
Case Material		Metal	
Dimensions (mm)	600 × 442 × 170 mm	740 × 450 × 260 mm	880 × 448 × 260 mm
Weight (kg)	50 kg	90 kg	118 kg
Communication / Display	Wi-Fi, Bluetooth	CAN, RS-485, LCD Display	Wi-Fi, Bluetooth
Battery Cell Type		EVE	
Parallel Connection		Up to 15 units	
Features		Multi-protocol support (RS-485, CAN, RS-232)	

Where a value applies to every model in the series it is shown once across the row.

FALCON® · UPS BATTERIES (VRLA)

Falcon FB Series

4 V · 4 Ah

APPLICATIONS

UPS | IT equipment | Security systems | Medical devices | General-purpose stand-by use



BATTERY SPECIFICATIONS

Specification	4 V · 4 Ah
Nominal Voltage	4 V (2 cells per unit)
Nominal Capacity (20 h rate / 3.5 V, 25 °C)	4 Ah
Capacity at 10 h rate (3.5 V)	3.7 Ah
Capacity at 1 h rate (3.2 V)	2.4 Ah
Design Life (Stand-by)	3–5 years (EUROBAT @ 20 °C)
Weight	0.46 kg ± 5 % (1.01 lb)
Approx. Internal Resistance (25 °C)	15 mΩ
Terminal Type	T1
Maximum Torque	N/A
Max Charging Current	1.2 A
Max Discharge Current (5 s)	60 A
Self-Discharge Rate (25 °C)	≤ 3 % / month
Float Charging Voltage (25 °C)	4.50 – 4.60 V
Cyclic Charging Voltage (25 °C)	4.80 – 5.00 V
Temperature Compensation	–6 mV / °C / block (float) ▪ –10 mV / °C / block (cycle)
Operating Temperature Range	Discharge: –15 °C to 50 °C ▪ Charge: –10 °C to 50 °C ▪ Storage: –20 °C to 50 °C
Nominal Operating Temperature	25 ± 3 °C (77 ± 5 °F)
Container Material	ABS (UL94-HB / V-0 optional)
Dimensions (mm)	L 47 ± 1 × W 47 ± 1 × H 101 ± 1 (Total Height 107 ± 1)
Construction Materials	Lead dioxide (+), Lead (–), AGM separator, Sulfuric acid electrolyte, Rubber valve, Copper terminal, ABS container

Where a value applies to every model in the series it is shown once across the row.

FALCON® · UPS BATTERIES (VRLA)

Falcon FB Series

6 V · 4.5 / 7 / 12 Ah

APPLICATIONS

UPS | IT equipment | Security systems | Medical devices | General-purpose stand-by use



BATTERY SPECIFICATIONS

Specification	FB6-4.5Ah	FB6-7Ah	FB6-12Ah
Nominal Voltage	6 V (3 cells)		
Nominal Capacity (20 h rate @ 25 °C)	4.5 Ah @ 5.25 V	7 Ah @ 5.25 V	12 Ah @ 5.25 V
Capacity (10 h rate)	4.3 Ah	6.5 Ah	11 Ah
Capacity (1 h rate)	2.7 Ah @ 4.8 V	4.2 Ah @ 4.8 V	7.2 Ah @ 4.8 V
Design Life (stand-by)	5 yrs / 3-5 yrs		
Weight	0.76 kg ± 5 % (1.68 lb)	1.1 kg ± 4 % (2.42 lb)	1.70 kg ± 4 % (3.75 lb)
Internal Resistance (25 °C)	18 mΩ	16 mΩ	10 mΩ
Terminal Type	T1	T1 / T2	T1 / T2
Max Charging Current	1.35 A	2.1 A	3.6 A
Max Discharge Current (5 s)	68 A	105 A	180 A
Self-Discharge Rate (25 °C)	≤ 3 % / month		
Float Charging Voltage (25 °C)	6.80 – 6.90 V		
Cyclic Charging Voltage (25 °C)	7.25 – 7.50 V		
Temperature Compensation	-9 mV / -15 mV per °C per block		
Operating Temperature Range	Discharge -15 ~ 50 °C ▪ Charge -10 ~ 50 °C ▪ Storage -20 ~ 50 °C		
Nominal Operating Temperature	25 ± 3 °C (77 ± 5 °F)		
Container Material	ABS (UL94-HB / V-0 opt.)		
Dimensions (mm)	70 × 48 × 101 (Total H 107)	151 × 34 × 94 (Total H 100)	151 × 50 × 94 (Total H 100)
Construction Materials	Lead dioxide (+), Lead (-), AGM separator, Sulfuric acid electrolyte, Rubber valve, Copper terminal, ABS container		

Where a value applies to every model in the series it is shown once across the row.

FALCON® · UPS BATTERIES (VRLA)

Falcon FB Series

12 V · 5 / 7 / 9 Ah

APPLICATIONS

UPS | IT equipment | Security systems | Medical devices | General-purpose stand-by use



BATTERY SPECIFICATIONS

Specification	FB12-5Ah	FB12-7Ah	FB12-9Ah
Nominal Voltage	12 V (6 cells per unit)		
Nominal Capacity (20 h rate @ 25 °C)	5 Ah @ 10.5 V	7 Ah @ 10.5 V	9 Ah @ 10.5 V
Capacity (10 h rate @ 25 °C)	4.7 Ah	6.5 Ah	8.4 Ah
Capacity (1 h rate @ 25 °C)	3.0 Ah @ 9.6 V	4.2 Ah @ 9.6 V	5.4 Ah @ 9.6 V
Design Life (Stand-by)	5 years / 3 – 5 years		
Weight	1.65 kg ± 4 % (3.64 lb)	2.10 kg ± 4 % (4.63 lb)	2.60 kg ± 4 % (5.73 lb)
Approx. Internal Resistance (25 °C)	27 mΩ	25 mΩ	19 mΩ
Terminal Type	T1 / T2		
Max Charging Current	1.5 A	2.1 A	2.7 A
Max Discharge Current (5 s)	75 A	105 A	135 A
Self-Discharge Rate (25 °C)	≤ 3 % / month		
Float Charging Voltage (25 °C)	13.6 – 13.8 V		
Cyclic Charging Voltage (25 °C)	14.5 – 15.0 V		
Temperature Compensation	−18 mV (float) / −30 mV (cycle) per °C per block		
Operating Temperature Range	Discharge −15 ~ 50 °C ▪ Charge −10 ~ 50 °C ▪ Storage −20 ~ 50 °C		
Nominal Operating Temperature	25 ± 3 °C (77 ± 5 °F)		
Container Material	ABS (UL94-HB / V-0 optional)		
Dimensions (mm)	L 90 × W 70 × H 101 (Total 107)	L 151 × W 65 × H 94 (Total 100)	L 151 × W 65 × H 94 (Total 100)
Construction Materials	Lead dioxide (+), Lead (−), AGM separator, Sulfuric acid electrolyte, Rubber valve, Copper terminal, ABS container		

Where a value applies to every model in the series it is shown once across the row.

FALCON® · UPS BATTERIES (VRLA)

Falcon FB Series

12 V · 18 / 28 / 45 Ah

APPLICATIONS

UPS | IT equipment | Security systems | Medical devices | General-purpose stand-by use



BATTERY SPECIFICATIONS

Specification	FB12-18Ah	FB12-28Ah	FB12-45Ah
Nominal Voltage	12 V (6 cells/unit)		
Nominal Capacity (20 h rate @ 25 °C)	18 Ah @ 10.5 V	28 Ah @ 10.5 V	45 Ah @ 10.8 V
Capacity (10 h rate @ 25 °C)	16.8 Ah	26 Ah	33 Ah (3 h rate)
Capacity (1 h rate @ 25 °C)	11 Ah @ 9.6 V	17 Ah @ 9.6 V	25 Ah @ 10.5 V
Design Life (Stand-by)	3–5 years (EUROBAT @ 20 °C)	3–5 years (EUROBAT @ 20 °C)	10–12 years (EUROBAT @ 20 °C)
Weight	5.30 kg ± 4 % (11.68 lb)	8.80 kg ± 4 % (19.40 lb)	13.80 kg ± 3 % (30.40 lb)
Approx. Internal Resistance (25 °C)	15 mΩ	10 mΩ	7.5 mΩ
Terminal Type	T3 / T12	T12 / T4	T14
Torque	3.0 ± 0.6 N·m	3.0 ± 0.6 N·m	5.1 ± 0.6 N·m
Max Charging Current	5.4 A	8.4 A	13.5 A
Max Discharge Current (5 s)	270 A	360 A	400 A
Self-Discharge Rate (25 °C)	≤ 3 % / month		
Float Charging Voltage (25 °C)	13.6 – 13.8 V	13.6 – 13.8 V	13.5 – 13.8 V
Cyclic Charging Voltage (25 °C)	14.5 – 15.0 V		
Temperature Compensation	−18 mV (float) / −30 mV (cycle) per °C per block		
Operating Temperature Range	Discharge −15 ~ 50 °C ▪ Charge −10 ~ 50 °C ▪ Storage −20 ~ 50 °C		
Nominal Operating Temperature	25 ± 3 °C (77 ± 5 °F)		
Container Material	ABS (UL94-HB / V-0 optional)		
Dimensions (mm)	L 181 × W 77 × H 167 (Total 167)	L 166 × W 175 × H 125 (Total 125)	L 197 × W 165 × H 170 (Total 170)
Construction Materials	Lead dioxide (+), Lead (−), AGM separator, Sulfuric acid electrolyte, Rubber valve, Copper terminal, ABS container		

Where a value applies to every model in the series it is shown once across the row.

FALCON® · UPS BATTERIES (VRLA)

Falcon FB Series

12 V · 65 / 100 Ah

APPLICATIONS

Solar & wind systems | Telecom | UPS | Cyclic use | Renewable energy backup



BATTERY SPECIFICATIONS

Specification	FB12-65Ah	FB12-100Ah
Nominal Voltage	12 V (6 cells per unit)	
Nominal Capacity (10 h rate @ 25 °C)	65 Ah @ 10.8 V	100 Ah @ 10.8 V
Capacity (3 h rate @ 25 °C)	48 Ah @ 10.8 V	75 Ah @ 10.8 V
Capacity (1 h rate @ 25 °C)	36 Ah @ 10.5 V	55 Ah @ 10.5 V
Design Life (Stand-by)	10 years (JIS @ 25 °C) / 10–12 years (EUROBAT @ 20 °C)	
Weight	20.40 kg ± 3 % (45.0 lb)	29.50 kg ± 3 % (65.0 lb)
Approx. Internal Resistance (25 °C)	6.5 mΩ	4.5 mΩ
Terminal Type	T14 (M6 × 16 mm)	T16 (M8 × 20 mm)
Torque	5.1 ± 0.6 N·m	12.3 ± 2.5 N·m
Max Charging Current	19.5 A	30 A
Max Discharge Current (5 s)	650 A	800 A
Self-Discharge Rate (25 °C)	≤ 3 % / month	
Float Charging Voltage (25 °C)	13.5 – 13.8 V	
Cyclic Charging Voltage (25 °C)	14.5 – 15.0 V	
Temperature Compensation	-18 mV (float) / -30 mV (cycle) per °C per block	
Operating Temperature Range	Discharge -15 ~ 50 °C ▪ Charge -10 ~ 50 °C ▪ Storage -20 ~ 50 °C	
Nominal Operating Temperature	25 ± 3 °C (77 ± 5 °F)	
Container Material	ABS (UL94-HB / V-0 optional)	
Dimensions (mm)	L 350 × W 166 × H 179 (Total 179)	L 330 × W 171 × H 214 (Total 220)
Design Type	Valve-regulated lead-acid (AGM technology) ▪ Maintenance-free ▪ Sealed construction	
Construction Materials	Positive Plate: Lead Dioxide, Negative Plate: Lead, Separator: AGM, Electrolyte: Sulfuric Acid, Safety Valve: Rubber, Terminal: Copper, Case: ABS	

Where a value applies to every model in the series it is shown once across the row.

FALCON® · AGM BATTERIES

Falcon FBG Series

12 V · 100 / 150 / 200 Ah

APPLICATIONS

Solar & wind systems | Telecom | UPS | Cyclic use | Renewable energy backup



BATTERY SPECIFICATIONS

Specification	FBG12-100Ah	FBG12-150Ah	FBG12-200Ah
Nominal Voltage	12 V (6 cells/unit)		
Nominal Capacity (10 h rate @ 25 °C)	100 Ah @ 10.8 V	150 Ah @ 10.8 V	200 Ah @ 10.8 V
Capacity (3 h rate @ 25 °C)	75 Ah	112.5 Ah	150 Ah
Capacity (1 h rate @ 25 °C)	55 Ah @ 10.5 V	83 Ah @ 10.5 V	110 Ah @ 10.5 V
Design Life (Stand-by)	10-12 years (EUROBAT @ 20 °C)		
Weight	30.5 kg ± 3 % (67.2 lb)	44.5 kg ± 3 % (98.1 lb)	62.5 kg ± 3 % (137.8 lb)
Approx. Internal Resistance (25 °C)	5 mΩ	3.8 mΩ	3.3 mΩ
Terminal Type	T16	T16	T18
Torque	12.3 ± 2.5 N·m		
Max Charging Current	20 A	30 A	40 A
Max Discharge Current (5 s)	800 A	1200 A	1400 A
Self-Discharge Rate (25 °C)	≤ 3 % / month		
Float Charging Voltage (25 °C)	13.5 – 13.8 V		
Cyclic Charging Voltage (25 °C)	14.5 – 14.7 V		
Temperature Compensation	−18 mV (float) / −30 mV (cycle) per °C per block		
Operating Temperature Range	Discharge −15 ~ 50 °C ▪ Charge −10 ~ 50 °C ▪ Storage −20 ~ 50 °C		
Nominal Operating Temperature	25 ± 3 °C (77 ± 5 °F)		
Container Material	ABS (UL94-HB / V-0 optional)		
Dimensions (mm)	L 330 × W 171 × H 214 (Total 220)	L 485 × W 172 × H 240 (Total 240)	L 522 × W 238 × H 218 (Total 222)
Construction Materials	Lead dioxide (+), Lead (−), AGM separator, Sulfuric acid electrolyte, Rubber valve, Copper terminal, ABS container		

Where a value applies to every model in the series it is shown once across the row.

BERLINO · GEL UPS BATTERIES

Berlino BA Series

12 V · 100 / 200 Ah

BERLINO IS A SEPARATE BRAND · NOT PART OF THE FALCON RANGE

APPLICATIONS

Solar & wind power systems · Electric wheelchairs · Golf carts · Medical equipment · Fire alarms · UPS



BATTERY SPECIFICATIONS

Specification	BA12-100G (12 V 100 Ah)	BA12-200G (12 V 200 Ah)
Nominal Voltage	12 V (6 cells/unit)	
Nominal Capacity (10 h rate @ 25 °C)	100 Ah @ 10.8 V	200 Ah @ 10.8 V
Capacity (5 h rate @ 25 °C)	85 Ah @ 10.8 V	170 Ah @ 10.5 V
Capacity (3 h rate @ 25 °C)	75 Ah @ 10.5 V	150 Ah @ 10.2 V
Capacity (1 h rate @ 25 °C)	55 Ah @ 9.6 V	110 Ah @ 9.6 V
Design Life (Stand-by)	Up to 15 years @ 25 °C	12 years @ 25 °C
Weight	29.5 kg ± 3 % (65 lb)	59.6 kg ± 3 % (131 lb)
Approx. Internal Resistance (25 °C)	4.2 mΩ	2.5 mΩ
Max Discharge Current (5 s)	1000 A	2000 A
Self-Discharge Rate (25 °C)	≤ 3 % / month	
Capacity vs Temperature	40 °C → 112 % 25 °C → 100 % 0 °C → 80 % -15 °C → 68 %	
After Storage (25 °C)	3 mo → 91 % 6 mo → 82 % 12 mo → 64 %	
Float Charging Voltage (25 °C)	13.5 – 13.8 V	
Cycle Use Charging Voltage (25 °C)	14.1 – 14.4 V (initial current < 30 A)	14.1 – 14.4 V (initial current < 73 A)
Operating Temperature Range	Discharge -15 ~ 50 °C ▪ Charge -10 ~ 50 °C ▪ Storage -20 ~ 50 °C	
Nominal Operating Temperature	25 ± 3 °C (77 ± 5 °F)	
Container Material	ABS (high strength, flame-retardant optional)	
Dimensions (mm)	L 329 × W 172 × H 214 (Total 243)	L 522 × W 240 × H 220 (Total 244)
Key Features	Long cycle life, Deep discharge design, Maintenance-free oxygen recombination, ABS housing, Special paste and separator for durability	Patented GEL electrolyte, Wide operating temperature (-40 ~ +60 °C), High strength ABS case, Deep cycle optimized plates

Where a value applies to every model in the series it is shown once across the row.

Talk to our sales team

مجموعة جولدن اكستريم

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FOUNDED 2014.

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