E-BLUE12100FT

EURONET FRONT TERMINAL SLIM GEL BATTERY – 12V 100Ah

Front-Terminal Deep-Cycle Gel | Solar, Telecom & UPS Racks



CAPACITY (10HR, 25°C)	NOMINAL VOLTAGE
100Ah	12V
MAX. DISCHARGE (5S)	**INTERNAL RESISTANCE**
800A	≈ 3.8 mΩ
MAX. CHARGE CURRENT	**TERMINAL**
25.0A	T13 (front)

OVERVIEW

The EURONET E-BLUE12100FT is a 12V 100Ah front-terminal slim gel battery, built for solar energy storage and for telecom and UPS racks where space is tight. It is rated 100Ah at the 10-hour rate to 1.80V/cell at 25°C, with an internal resistance of about 3.8mΩ, a 800A (5 sec) peak discharge and a 25.0A maximum charge current. The sealed gel design needs no water topping, discharges from -40°C to 50°C and offers up to 2000 cycles at 50% depth of discharge.

KEY FEATURES

Slim Front-Terminal Design
T13 front terminals and a 238 × 506 × 110mm case for easy wiring in racks and tight battery bays

800A Peak Discharge
Internal resistance of about 3.8mΩ delivers 800A for 5 seconds for inverter and UPS start-up

25.0A Maximum Charge Current
Charges at up to 25.0A to capture solar energy efficiently, even in low-light conditions

Deep Cycle Gel Electrolyte
Advanced gel technology built for frequent daily charge and discharge in solar energy storage

Wide Temperature Range
Discharge from -40°C to 50°C and charge from -20°C to 50°C, for indoor cabinets and outdoor sites

Long Cycle & Shelf Life
Up to 2000 cycles at 50% depth of discharge, and stores for over 6 months at 25°C before recharge

TECHNICAL NOTE

12V, 100Ah @ 10hr to 1.80V/cell at 25°C, 6 cells. Max. discharge 800A (5 sec), internal resistance about 3.8mΩ, max. charge 25.0A. Float 13.50–13.80V, equalisation 14.70–15.00V @ 25°C. Terminal T13, 238 × 506 × 110 mm, approx. 30kg. Discharge -40°C to 50°C, charge and storage -20°C to 50°C. Up to 2000 cycles @ 50% DoD. ABS (UL94-HB) case. CE, ISO 9001:2015.

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E-BLUE12100FT

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-BLUE12100FT
Series	Front Terminal Slim Gel Battery
Battery Type	Sealed VRLA gel, deep cycle
Nominal Voltage	12V
Cells Per Unit	6
Rated Capacity	100Ah @ 10hr to 1.80V/cell, 25°C
Applications	Solar storage, telecom & UPS racks
ELECTRICAL	
Max. Discharge Current	800A (5 sec)
Internal Resistance	≈ 3.8 mΩ
Max. Charge Current	25.0A
End Voltage	1.80V/cell
CONSTANT-CURRENT DISCHARGE (TO 1.80V/CELL, 25°C)	
30 Min Rate	79.4 A
1 H Rate	52.3 A
3 H Rate	23.8 A
5 H Rate	16.3 A
10 H Rate	10.0 A
20 H Rate	5.10 A

PARAMETER	SPECIFICATIONS
CHARGING	
Float Charge	13.50–13.80V @ 25°C
Equalisation / Cycle Service	14.70–15.00V @ 25°C
Cycle-use Set Point	2.475V/cell (2.45–2.50V) @ 25°C
Standby Set Point	2.275V/cell (2.25–2.30V) @ 25°C
Constant-voltage Charge	14.7–15.0V · 5–11h · max. 0.25CA
Constant-current Charge	0.1CA × 5h
Fast Charge	0.25CA × 1.7h
ENVIRONMENT & LIFE	
Discharge Temperature	-40°C to 50°C
Charge Temperature	-20°C to 50°C
Storage Temperature	-20°C to 50°C
Normal Operating Temp.	25°C ± 5°C
Cycle Life	Up to 2000 cycles @ 50% DoD
Self-discharge	Storable over 6 months at 25°C
Storage Recharge	At least every 6 months
CERTIFICATION	
Certifications	CE · ISO 9001:2015
Container	ABS (UL94-HB) · UL94-V0 on request

**Specifications are subject to change without prior notice.*

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