EUR25012

EURONET BLUE GEL BATTERY – 12V 250Ah

Sealed Deep-Cycle Gel | Solar, UPS & Data Centre Backup



CAPACITY (10HR, 25°C)	NOMINAL VOLTAGE
250Ah	12V
MAX. DISCHARGE (5S)	**INTERNAL RESISTANCE**
1200A	≈ 2.2 mΩ
MAX. CHARGE CURRENT	**NET WEIGHT**
62.5A	68kg

OVERVIEW

The EURONET EUR25012 is a 12V 250Ah sealed deep-cycle gel battery from the Blue Series, built for large solar arrays, industrial UPS and critical telecom systems. It is rated 250Ah at the 10-hour rate to 1.75V/cell at 25°C, with an internal resistance of about 2.2mΩ, a 1200A (5 sec) peak discharge and a 62.5A maximum charge current. The non-spill VRLA design needs no water topping, discharges from -40°C to 50°C and offers up to 2000 cycles at 50% depth of discharge. As the series flagship, its 522×268×236mm body fits standard battery racks.

KEY FEATURES

1200A Peak Discharge
Internal resistance of about 2.2mΩ delivers 1200A for 5 seconds for UPS start-up and heavy loads

62.5A Maximum Charge Current
Charges at up to 62.5A for fast recovery after deep discharge in solar storage and UPS backup systems

250Ah / 3.0kWh Capacity
High-capacity Blue Gel model with 250Ah at the 10-hour rate for large solar and UPS strings

Maintenance-Free VRLA
Non-spill sealed VRLA construction with no water topping or periodic electrolyte service needed

Wide Temperature Range
Discharge from -40°C to 50°C and charge from -20°C to 50°C, for server rooms and outdoor enclosures

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, 250Ah @ 10hr to 1.75V/cell at 25°C, 6 cells. Max. discharge 1200A (5 sec), internal resistance about 2.2mΩ, max. charge 62.5A. Float 13.50–13.80V, equalisation 14.70–15.00V @ 25°C. Discharge -40°C to 50°C, charge and storage -20°C to 50°C. Terminal T9/T14, net weight 68kg. Up to 2000 cycles @ 50% DoD. ABS (UL94-HB) case. CE, ISO 9001:2015.

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EUR25012

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EUR25012
Series	Blue Series Gel Battery
Battery Type	Sealed VRLA gel, deep cycle
Nominal Voltage	12V
Cells Per Unit	6
Rated Capacity	250Ah @ 10hr to 1.75V/cell, 25°C
Energy	3.0kWh
ELECTRICAL	
Max. Discharge Current	1200A (5 sec)
Internal Resistance	≈ 2.2 mΩ
Max. Charge Current	62.5A
End Voltage	1.75V/cell
CONSTANT-CURRENT DISCHARGE (TO 1.75V/CELL, 25°C)	
30 Min Rate	231.1 A
1 H Rate	137.5 A
3 H Rate	62.5 A
5 H Rate	42.5 A
10 H Rate	25.0 A
20 H Rate	12.8 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
Max. Charge Current (Cycle)	0.25C
Constant-voltage Charge	14.7–15.0V · 5–11h · max. 0.25CA
Constant-current Charge	0.1CA × 5h
Fast Charge	0.25CA × 1.7h
PHYSICAL	
Terminal	T9/T14
Product Dimensions	522 × 268 × 236 mm
Box Dimensions	Not available
Net Weight	68kg
Gross Weight	68.5kg
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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