EUR20012 ECO

EURONET ECO SERIES GEL BATTERY – 12V 200Ah

Value Deep-Cycle Gel | Solar PV, UPS & Telecom Backup



CAPACITY (10HR, 25°C)	NOMINAL VOLTAGE
200Ah	12V
MAX. DISCHARGE (5S)	**INTERNAL RESISTANCE**
1200A	≈ 2.6 mΩ
MAX. CHARGE CURRENT	**NET WEIGHT**
50A	52.5kg

OVERVIEW

The EURONET EUR20012 ECO is a value-focused 12V 200Ah sealed deep-cycle gel battery for large solar arrays, industrial backup power and critical infrastructure. It is rated 200Ah at the 10-hour rate to 1.80V/cell at 25°C, with an internal resistance of about 2.6mΩ, a 1200A (5 sec) peak discharge and a 50A maximum charge current. Gel electrolyte prevents acid leakage and removes the need for water topping, while the ABS UL94-HB case (UL94-V0 on request) and low-pressure venting suit daily cycling from -40°C to 50°C.

KEY FEATURES

1200A Peak Discharge
Internal resistance of about 2.6mΩ delivers 1200A for 5 seconds for UPS start-up and backup loads

50A Maximum Charge Current
Charges at up to 50A for fast recovery after deep discharge in solar PV and UPS backup systems

Maintenance-Free Gel
Gel electrolyte prevents acid leakage and removes the need for water topping in any orientation

Deep Cycle Performance
Built for repeated deep discharge with high charge acceptance and minimal capacity loss over time

Wide Temperature Range
Discharge from -40°C to 50°C and charge from -20°C to 50°C, for harsh off-grid and telecom field sites

ABS Flame-Retardant Case
ABS UL94-HB housing as standard, with a UL94-V0 rating available on request for safety needs

TECHNICAL NOTE

12V, 200Ah @ 10hr to 1.80V/cell at 25°C, 6 cells. Max. discharge 1200A (5 sec), internal resistance about 2.6mΩ, max. charge 50A. 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 52.5kg. ABS (UL94-HB) case, UL94-V0 on request. CE, ISO 9001:2015.

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EUR20012 ECO

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EUR20012 ECO
Series	ECO Series Gel Battery
Battery Type	Sealed VRLA gel, deep cycle
Nominal Voltage	12V
Cells Per Unit	6
Rated Capacity	200Ah @ 10hr to 1.80V/cell, 25°C
ELECTRICAL	
Max. Discharge Current	1200A (5 sec)
Internal Resistance	≈ 2.6 mΩ
Max. Charge Current	50A
End Voltage	1.80V/cell
PHYSICAL	
Terminal	T9/T14
Product Dimensions	Not available
Box Dimensions	522 × 236 × 238 mm
Net Weight	52.5kg
Gross Weight	53kg
Venting	Low-pressure venting system

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 @ 25°C
Standby Set Point	2.275V/cell @ 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
Self-discharge	Storable over 6 months at 25°C
Storage Recharge	At least every 6 months
Cycle Life	Not available
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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