EUR4512

EURONET COMPACT BLUE GEL BATTERY – 12V 45Ah

Compact Sealed Gel | UPS, Solar & Emergency Backup



CAPACITY (10HR, 25°C)	NOMINAL VOLTAGE
45Ah	12V
MAX. DISCHARGE (5S)	INTERNAL RESISTANCE
400A	≈ 7.8 mΩ
MAX. CHARGE CURRENT	NET WEIGHT
10A	12kg

OVERVIEW

The EURONET EUR4512 is a compact 12V 45Ah sealed gel battery from the Compact Blue Series, designed for UPS systems, solar storage and emergency backup. It is rated 45Ah at the 10-hour rate to 1.75V/cell at 25°C. GEL-Technology electrolyte gives deep-cycle performance and high charge acceptance, while an internal resistance of about 7.8mΩ supports a 400A (5 sec) peak discharge. The non-spill sealed case needs no water topping, accepts up to 10A charge current and works from -40°C to 50°C on discharge.

KEY FEATURES

GEL-Technology Deep Cycle
Advanced gel electrolyte delivers deep-cycle performance and high charge acceptance for solar

400A Peak Discharge
Internal resistance of about 7.8mΩ delivers 400A for 5 seconds for reliable UPS inverter start-up

Dual T4/T12 Terminal
Dual T4/T12 terminal options give flexible wiring in UPS, solar and emergency backup power cabinets

Maintenance-Free, Non-Spill
Non-spill sealed design needs no water topping and allows flexible mounting in battery cabinets

Wide Temperature Range
Discharge from -40°C to 50°C and charge from -20°C to 50°C, for indoor racks and field installations

Low Self-Discharge
Stores for over 6 months at 25°C, which suits standby and infrequently cycled backup systems

TECHNICAL NOTE

12V, 45Ah @ 10hr to 1.75V/cell at 25°C, 6 cells. Max. discharge 400A (5 sec), internal resistance about 7.8mΩ, max. charge 10A. 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 T4/T12, net weight 12kg, gross 12.25kg. ABS (UL94-HB) case, UL94-V0 on request. CE, ISO 9001:2015.

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EUR4512

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EUR4512
Series	Compact Blue Series Gel Battery
Battery Type	Sealed gel (GEL-Technology)
Nominal Voltage	12V
Cells Per Unit	6
Rated Capacity	45Ah @ 10hr to 1.75V/cell, 25°C
Applications	UPS, solar storage, emergency backup
ELECTRICAL	
Max. Discharge Current	400A (5 sec)
Internal Resistance	≈ 7.8 mΩ
Max. Charge Current	10A
End Voltage	1.75V/cell
CHARGING	
Float Charge	13.50–13.80V @ 25°C
Equalisation	14.70–15.00V @ 25°C

PARAMETER	SPECIFICATIONS
PHYSICAL	
Terminal	T4/T12
Product Dimensions	Not available
Box Dimensions	205 × 175 × 230 mm
Net Weight	12kg
Gross Weight	12.25kg
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
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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