EUR 12V 45AH

EURONET VRLA BATTERY – 12V 45Ah

Sealed Lead-Acid VRLA | Maintenance-Free



NOMINAL VOLTAGE	CAPACITY (10HR)
12V	45Ah
MAX DISCHARGE (5 SEC)	**INTERNAL RESISTANCE**
400A	7.8 mΩ
MAX CHARGING CURRENT	**WEIGHT**
10A	12 kg

OVERVIEW

The EURONET EUR 12V 45AH is a 12V 45Ah valve-regulated lead-acid (VRLA) battery for solar storage, telecom cabinets and mid-scale standby power. Built for enhanced cycle service in standby and intermittent solar applications. It delivers up to 400A for 5 seconds, with internal resistance of 7.8 mΩ and a maximum charging current of 10A. It is rated for discharge down to -40°C for harsh climates. The sealed, non-spill construction with low-pressure venting needs no water topping, and the ABS (UL94-HB) case is available in UL94-V0 on request. Low self-discharge allows storage for more than 6 months at 25°C.

KEY FEATURES

45Ah Rated Capacity
45Ah rated at the 10-hour rate, with six cells in series for a 12V nominal sealed lead-acid block

High Discharge Current
Delivers up to 400A for 5 seconds, with 7.8 mΩ internal resistance, for strong current delivery

Maintenance-Free, Non-Spill
No water topping and no acid leakage in any orientation with a low-pressure venting system for safe operation

Solar & Telecom Ready
For solar storage, telecom cabinets and mid-scale standby, built for enhanced cycle service use

–40°C Cold Discharge Rating
Discharge rated from -40°C to 50°C; charge and storage from -20°C to 50°C for harsh climates

Low Self-Discharge
Storable for more than 6 months at 25°C, with a recharge before use to restore full capacity

TECHNICAL NOTE

12V, 6 cells per unit, 45Ah at the 10-hour rate. Max. discharge 400A (5 sec), internal resistance 7.8 mΩ, max. charging current 10A. Float charge 13.50-13.80V DC/unit @ 25°C; equalisation & cycle service 14.70-15.00V DC/unit @ 25°C. Discharge -40°C to 50°C; charge and storage -20°C to 50°C; normal operating 25°C ± 5°C. Weight 12 kg, terminal T4 / T12, ABS (UL94-HB) container, UL94-V0 on request.

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EUR 12V 45AH

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EUR 12V 45AH
Product Type	Valve-regulated lead-acid (VRLA) battery
Series	VRLA Battery 12V Series
Nominal Voltage	12V
Cells Per Unit	6
Rated Capacity	45Ah @ 10hr rate
Applications	Solar storage, telecom cabinets, mid-scale standby power
Service Type	Standby & intermittent solar cycle service
ELECTRICAL	
Max. Discharge Current	400A (5 sec)
Internal Resistance	7.8 mΩ
Max. Charging Current	10A
CHARGING VOLTAGE (AVERAGE @ 25°C)	
Float Charge	13.50–13.80V DC/unit @ 25°C
Equalisation & Cycle Service	14.70–15.00V DC/unit @ 25°C
Self-discharge	Storable >6 months at 25°C charge before use

PARAMETER	SPECIFICATIONS
PHYSICAL	
Weight	12 kg
Dimensions (L × W × H)	Not available
Terminal	T4 / T12
Container Material	ABS (UL94-HB)
Flame Retardancy Option	UL94-V0 on request
TEMPERATURE	
Discharge	–40°C to 50°C
Charge	–20°C to 50°C
Storage	–20°C to 50°C
Normal Operating	25°C ± 5°C
CONSTRUCTION	
Technology	Sealed lead-acid, valve-regulated
Maintenance	Maintenance-free · no water topping
Sealing	Non-spill sealed construction
Venting	Low-pressure venting system
COMPLIANCE	
Marking	CE marked
Manufacturer Quality System	ISO 9001:2015 certified

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

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