ACE EDGE 6KVA

EURONET ACE EDGE UPS – 6000VA / 6000W

Online Double-Conversion UPS | External Battery



CAPACITY	REAL POWER
6000VA	6000W
EFFICIENCY	**TRANSFER TIME**
Up to 95%	0ms
CHARGING CURRENT	**FORM FACTOR**
1A, up to 8A	2U rack/tower

OVERVIEW

The EURONET ACE EDGE 6KVA is an online double-conversion 2U rack/tower UPS delivering 6000VA / 6000W of real power with up to 95% efficiency and a power factor above 0.99 at full load. Designed for data centre and server use with an external battery bank, it has a 1A default charging current adjustable up to 8A so runtime can be scaled. ECO mode with under 10ms transfer saves energy on less-critical loads, CVCF mode delivers a stable output frequency, and RS-232/USB plus an optional SNMP slot provide remote management.

KEY FEATURES

6kW Real Power
6000VA / 6000W output with power factor above 0.99 at 100% load, from a compact 2U rack/tower unit

Up to 95% Efficiency
High operating efficiency reduces energy costs and heat generation in continuous data centre operation

Adjustable Charging
1A default charging current, adjustable up to 8A, to suit external battery banks and scale runtime

ECO Mode Operation
Energy-saving ECO mode with under 10ms inverter to ECO transfer to protect less-critical loads efficiently

CVCF Mode Support
Frequency converter mode delivers a stable output frequency that is independent of grid variations

RS-232 / USB + SNMP
RS-232/USB with Windows/Linux/macOS software and an optional SNMP slot for web-based remote monitoring

TECHNICAL NOTE

6000VA / 6000W online UPS, 2U rack/tower, external battery bank. Input single phase with ground, 46–54Hz / 56–64Hz; low line loss 110–300VAC @ 60% load, 176–300VAC @ 100%. Output 208/220/230/240VAC ±1%, PF >0.99, THD <1% linear. Transfer 0ms; ECO <10ms. Charging 1A default, up to 8A. 515×438×88mm, 11kg, <55dBA @ 1m, 0–40°C.

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ACE EDGE 6KVA

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	ACE EDGE 6KVA
Series	ACE EDGE UPS Series
Topology	Online double conversion
Capacity	6000VA / 6000W
Efficiency	Up to 95%
Operating Modes	Online · ECO · CVCF (frequency converter)
Form Factor	2U rack / tower
INPUT	
Input	Single phase with ground
Input Frequency	46–54Hz (50Hz) / 56–64Hz (60Hz)
Low Line Loss	110–300VAC ±3% @ 60% load 176–300VAC ±3% @ 100% load
High Line Loss	300VAC ±3%
OUTPUT	
Output Voltage	208/220/230/240VAC
Voltage Regulation	±1%
Output Frequency (Battery)	50Hz ±0.1Hz or 60Hz ±0.1Hz
Waveform	Pure sine wave
Power Factor	>0.99 at 100% load
THD	<1% linear · <4% non-linear
Crest Ratio	3:1
TRANSFER TIME	
Line to Battery	0ms
Inverter to ECO	<10ms typical

PARAMETER	SPECIFICATIONS
BATTERY	
Battery	External battery bank
Charging Current	1A ±10% default · adjustable up to 8A
Recharge Time	Depends on external battery
Battery Pack Size	606×438×133mm (2U)
DERATING	
CVCF Mode	Derate to 60%
208VAC or Parallel Operation	Derate to 90%
Altitude	1% per 100m above 1000m
COMMUNICATION	
Interfaces	RS-232 / USB
Software	Windows / Linux / macOS
Network Management	Optional SNMP
Front Panel Keys	UP · DOWN · ESC/ON · OFF
PHYSICAL & ENVIRONMENTAL	
UPS Dimensions	515×438×88mm (2U)
Net Weight (UPS)	11kg
Noise	<55dBA @ 1m
Operating Temperature	0–40°C
Humidity	<95% non-condensing
Overload Capacity	Not available
COMPLIANCE	
Certifications	CE · RoHS · ISO 9001:2015

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

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