ACE ULTRA 20KVA

EURONET ACE ULTRA UPS – 20KVA / 20KW

Three-Phase Online UPS | 3U Rack / Tower



CAPACITY	REAL POWER
20KVA	20KW
MIN. INPUT (PH-N)	**TRANSFER TIME**
70VAC @ 50%	0ms
CHARGING CURRENT	**BATTERY BLOCKS**
1–12A adjust.	16–20 adjust.

OVERVIEW

The EURONET ACE ULTRA 20KVA is EURONET's highest-capacity single UPS, a three-phase online double-conversion unit delivering 20KVA / 20KW at unity power factor. It gives 0ms line-to-battery transfer and accepts input as low as 70VAC (Ph-N) at 50% load to preserve battery life on unstable grids. Battery configuration is adjustable from 16 to 20 blocks with up to 12A of charging current, and parallel and current-share ports support capacity scaling and N+1 redundancy, all in the same 3U rack/tower footprint as the 10KVA.

KEY FEATURES

20kW Unity Power Factor
20,000W of usable real power at PF 1.0, with zero derating at full load and >0.99 input power factor

Ultra-Wide Input Range
Accepts as low as 70VAC (Ph-N) at 50% load, saving battery life in highly unstable grid environments

Zero Transfer Time
0ms line-to-battery transfer, 0ms inverter-to-bypass when phase locked and under 4ms when unlocked

Flexible Battery Configuration
16–20 adjustable battery blocks with a 1A–12A adjustable charging current for tailored runtime

Parallel Operation Ready
Parallel and current-share ports support N+1 redundancy and scaled capacity across several units

EPO & Maintenance Bypass
EPO connector and external maintenance bypass connector for safe servicing in critical sites

TECHNICAL NOTE

20KVA / 20KW three-phase online UPS, 3U rack/tower, IP20. Input three phase with neutral; low line loss 70VAC (Ph-N) @ 50% load, 88VAC @ 100%. Output 120/127VAC (Ph-N) ±1%, THD <2% linear. Transfer 0ms; bypass <4ms unlocked. Overload 110–125%: 10min. 16–20 battery blocks, 1–12A charging. 680×438×133mm, 30kg, <70dB @ 1m.

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ACE ULTRA 20KVA

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	ACE ULTRA 20KVA
Series	ACE ULTRA UPS Series
Topology	Online double conversion, three phase
Capacity	20KVA / 20KW
Form Factor	3U rack / tower
IP Rating	IP20
INPUT	
Input	Three phase with neutral
Input Frequency	46–54Hz (50Hz) / 56–64Hz (60Hz)
Low Line Loss (Ph-N)	70VAC ±3% @ 50% load 88VAC ±3% @ 100% load
High Line Loss	156VAC ±3% @ 50% load 146VAC ±3% @ 100% load
Input Power Factor	>0.99 at 100% load
OUTPUT	
Output Voltage (Ph-N)	120/127VAC
Dual Voltage Output	208V Ph-Ph / 120V Ph-N loads
Voltage Regulation	±1%
Output Frequency (Battery)	50Hz ±0.1Hz or 60Hz ±0.1Hz
THD	<2% linear · <5% non-linear (PF≥0.8)
Crest Ratio	3:1
TRANSFER TIME	
Line to Battery	0ms
Inverter to Bypass	0ms (phase locked) · <4ms (phase unlock)
Inverter to ECO	<10ms

PARAMETER	SPECIFICATIONS
OVERLOAD	
100–110%	60min
110–125%	10min
125–150%	1min
>150%	Immediate
BATTERY	
Battery Configuration	16–20 adjustable blocks
Charging Current	1–12A ±10% adjustable
Charging Voltage	±13.65VDC × N ±1% (N=8–10)
Battery Connection	External battery terminal
COMMUNICATION & CONNECTIONS	
Interfaces	RS-232 · USB SNMP intelligent slot (optional SNMP)
Software	Windows / Linux / macOS
Parallel Ports	Parallel port · share current port
Safety Connectors	EPO · external maintenance bypass
PHYSICAL & ENVIRONMENTAL	
Dimensions	680×438×133mm (3U)
Net Weight	30kg
Noise	<70dB @ 1m
Operating Temperature	0–40°C · battery life reduces above 25°C
Humidity	<95% non-condensing
Altitude Derating	1% per 100m above 1000m
COMPLIANCE	
Certifications	CE · RoHS · ISO 9001:2015

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

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