



Product Overview 1 kVA to 5.0 MVA

Standalone
modular
UPS systems

➤ Newave UPS systems: where innovation meets quality.

continuous power
protection availability



1 kVA to 5.0 MVA

- _ Standalone UPS systems
- _ Modular UPS systems



GENERAL DATA		PowerVario	
Power range	1 / 2 / 3 kVA	4.5 / 6 / 8 / 10 kVA	
Output power factor	0.8	0.9	
Max. output power: frame (unit)	3 kVA	10 kVA	
Max. output power: system	-		
Output power modules	-		
UPS-modules, pcs	-		
Topology	True online double conversion		
Parallel configuration	Up to 3 units (only 4.5 - 10kVA)		
UPS type	Standalone		
Weight (without batteries)	Up to 92 kg		
INPUT			
Nominal input voltage	1 x 200 V/208 V/220 V/230 V/ 240 V + N		
Voltage tolerance (Ref. to 3 x 400/230 V or Ref. to 1 x 230 V)	For loads =100% (-27%, +25%)		
Input distortion THDi	< 6% at 100%		
Frequency	50-60 Hz		
Power factor at 100% load	0.99		
OUTPUT			
Rated output voltage	1 x 208 V/220 V/230 V/ 240 V + N		
Voltage distortion (linear load)	< 3%		
Unbalanced load	-		
Crest factor	3 : 1		
EFFICIENCY			
Overall efficiency	Up to 92%		
In eco-mode configuration	Up to 98% (only 4.5 - 10kVA)		
COMMUNICATIONS			
Communication ports	USB, RS-232, SNMP slot, potential-free contacts		
Customer input interface	Remote shutdown		
SINGLE PHASE			



PowerValue 11	PowerValue 31	PowerScale	PowerWave 33
7.5 / 10 / 12 kVA	7.5 / 10 / 15 / 20 kVA	10 / 15 / 20 / 25 / 30 / 40 / 50 kVA	60 / 80 / 100 / 120 / 160 / 200 / 250 / 300 / 400 / 500 kW
0.7	0.7	0.9	1.0
12 kVA	20 kVA	50 kVA	500 kW
-	-	1 MVA	5 MW
-	-	-	-
-	-	-	-
True online double conversion			
-	-	Up to 20 units	Up to 10 units
Standalone	Standalone	Standalone	Standalone
Up to 204 kg	Up to 204 kg	Up to 145 kg	From 230 kg up to 1000 kg
1 x 220 V/230 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N
For loads < 100% (-23%, +15%) < 80% (-30%, +15%) < 60% (-40%, +15%)	For loads < 100% (-23%, +15%) < 80% (-30%, +15%) < 60% (-40%, +15%)	For loads < 100% (-23%, +15%) < 80% (-30%, +15%) < 60% (-40%, +15%)	For loads < 100% (-23%, +15%) < 80% (-30%, +15%) < 60% (-40%, +15%)
< 10% at 100%	< 25% at 100%, < 7-9% at 100% optional	< 3% at 100%	< 3.5% at 100%
35-70 Hz	35-70 Hz	35-70 Hz	35-70 Hz
0.98	0.95 (standard) 0.98 (optional)	0.99	0.99
1 x 220 V/230 V/240 V + N	1 x 220 V/230 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N
< 1%	< 1%	< 2%	< 2%
100% possible	100% possible	100% possible	100% possible
3 : 1	3 : 1	3 : 1	3 : 1
Up to 94.5%	Up to 94.5%	Up to 95.5%	Up to 96%
98%	98%	98%	99%
USB, RS-232, SNMP slot, potential-free contacts			
Remote shutdown, genset interface	Remote shutdown, genset interface	Remote shutdown, genset interface	Remote shutdown, genset interface
SINGLE PHASE		THREE PHASE	





DPA UPScale RI	DPA UPScale ST	Conceptpower DPA	Conceptpower Modular
10 / 20 / 40 / 80 kW	40 / 60 / 80 / 120 kW	25 / 50 / 75 / 125 / 150 / 250 kVA	300 kVA
1.0	1.0	0.8	0.8
80 kW	120 kW	250 kVA	300 kVA
-	-	1.5 MVA	1.0 MVA
10 / 20 kW	10 / 20 kW	10/15/20/25/30/40/50 kVA	100 kVA
Up to 4 modules	Up to 6 modules	Up to 30 modules	Up to 10 modules
True online double conversion			
-	-	Up to 6 units	Up to 4 units
Modular (DPA)	Modular (DPA)	Modular (DPA)	Modular (DPA)
From 42 kg up to 137 kg	From 110 kg up to 263 kg	From 209 kg up to 485 kg	Up to 790 kg
3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N
For loads < 100% (-23%, +15%) < 80% (-30%, +15%) < 60% (-40%, +15%)	For loads < 100% (-23%, +15%) < 80% (-30%, +15%) < 60% (-40%, +15%)	For loads < 100% (-23%, +15%) < 80% (-30%, +15%) < 60% (-40%, +15%)	For loads < 100% (-23%, +15%) < 80% (-30%, +15%) < 60% (-40%, +15%)
< 3% at 100%	< 3% at 100%	< 3% at 100%	< 7-9%
35-70 Hz	35-70 Hz	35-70 Hz	35-70 Hz
0.99	0.99	0.99	0.98
3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N	3 x 380 V/220 V + N 3 x 400 V/230 V + N 3 x 415 V/240 V + N
< 1.5%	< 1.5%	< 1.5%	< 2%
100% possible	100% possible	100% possible	100% possible
3 : 1	3 : 1	3 : 1	3 : 1
Up to 95.5%	Up to 95.5%	Up to 95.5%	Up to 95%
98%	98%	98%	98%
USB, RS-232, SNMP slot, potential-free contacts	USB, RS-232, SNMP slot, potential-free contacts	USB, RS-232, SNMP slot, potential-free contacts	RS-232, SNMP slot, potential-free contacts
Remote shutdown, genset interface	Remote shutdown, genset interface	Remote shutdown, genset interface	Remote shutdown, genset interface

THREE PHASE



About Newave.

Newave – Innovation is our culture

From the outset, Newave has been at the forefront of international innovation in the field of power protection and is considered to be a key trendsetter in its industry. In the mid and late nineties Newave successfully introduced two leading technological UPS concepts: transformer-less and modular UPS systems. Newave has continuously perfected both technologies and implemented all of the best features into its newest generations of UPS.

Innovation is our culture. We provide products, systems and services that meet the needs of our customers as effectively as possible. That's why our researchers and developers are working today on the technologies of tomorrow.

Newave – Quality you can trust

Newave designs and manufactures its products in Switzerland, using the best quality material, attracting the best talent in the marketplace and providing them with the skills they need in order to deliver perfect quality. Newave is living proof that "Swiss made" represents more than a label of origin. Newave customers are buying a product of outstanding quality and reliability.

Newave – Environmentally friendly power protection

Newave has led the way to sustainable power protection from the outset. Our power protection solutions help IT professionals to execute a comprehensive energy-efficient strategy, increase performance while creating a smaller energy footprint, and enable them to add new capacity to existing facilities without increasing power consumption. We ensure that our customers have access to reliable power supplies and can maximise their industrial productivity and energy efficiency.

Head Office: Operations, Sales and Marketing

Newave SA
Via Luserte Sud 9
CH-6572 Quartino
T +41 (0) 91 850 29 29
F +41 (0) 91 840 12 54
info@newaveenergy.com
www.newaveenergy.com

Subsidiaries

Austria

Newave Österreich GmbH
Laxenburgerstrasse 252
AT-1230 Wien
T +43 (1) 710 96 70 0
F +43 (1) 710 96 70 12
info@newaveups.at
www.newaveups.at

Finland

Newave Finland OY
Niittyläntie 2
FI-00620 Helsinki
T +358 (0) 10 421 9400
info@newaveups.fi
www.newaveups.fi

Germany

Newave USV Systeme GmbH
Summerside Ave. C 207
Baden Airpark
DE-77836 Rheinmünster
T +49 (0) 7229 1866 0
F +49 (0) 7229 1866 33
zentrale@newaveenergy.de
www.newaveenergy.com

Italy

NEWAVE Italia
Via Vincenzo Ussani, 90
IT-00151 Roma
T +39 06 65 31 997
T +39 06 65 31 316
F +39 06 65 31 306
info@newaveenergy.it
www.newaveenergy.it

Spain

Newave España SA
Arturo Soria 329 1 D
ES-28033 Madrid
T +34 (91) 768 22 22
F +34 (91) 383 21 50
newave@newave.es
www.newaveenergy.es

Switzerland

Newave Energy AG
Industriestrasse 5
CH-5432 Neuenhof
T +41 (0) 56 416 01 01
F +41 (0) 56 416 01 00
info@newaveenergy.ch
www.newaveenergy.ch

With a branch office in Biel:

Am Wald 36
CH-2504 Biel
T +41 (0) 32 366 60 30
F +41 (0) 32 366 60 35
info@newaveenergy.ch
www.newaveenergy.ch

The Netherlands

Newave UPS Systems BV
Stephensonweg 9
NL-4207 HA Gorinchem
T +31 (0) 183 64 6474
F +31 (0) 183 62 3540
info@newaveups.nl
www.newaveenergy.nl

Hong Kong and China

Newave Energy Hong Kong Ltd
Room 2506, West Tower,
Shun Tak Centre
HK-168-200 Connaught Road
Central
T +31 642 215 512
sales-china@newave.com.cn
www.newaveenergy.cn

With a branch office in China:

Newave Energy (Jiangmen) Limited
9/F Kawa House, 49 Jiangshe Road,
Jiangmen, Guangdong, China
Postal Code: 529000
T +86 750 368 0239
F +86 750 368 0229
sales-china@newave.com.cn
www.newaveenergy.cn

India

Newave Energy India Pvt. Ltd.
818/819 Corporate Avenue,
Sonawala Road, Goregaon East,
IN-Mumbai 400 0063
T +91 (22) 4266 5151
F +91 (22) 4266 5141
info@newaveenergy.in
www.newaveenergy.com

Latin America

Newave South America LTDA
Rua Clodomiro Amazonas No. 1422
Suite 68
BR-04537-002 - São Paulo
T +55 (11) 3045 0809
F +55 (11) 3045 0764
info@newavesam.com
www.newaveenergy.com