

UPS

Daker DK UPS
SINGLE-PHASE
from 1000
to 10000 VA



Daker DK CONVENTIONAL SINGLE PHASE

UPS online double conversion can be used in both tower and rack configurations.

Using the display it is possible to control all the main system parameters and the state of the UPS, including the load level, remaining battery life and failures.

Additional battery cabinets increase the back up time of group continuity. A battery charger can be added to each battery cabinet for fast and secure charging.



Reversible display

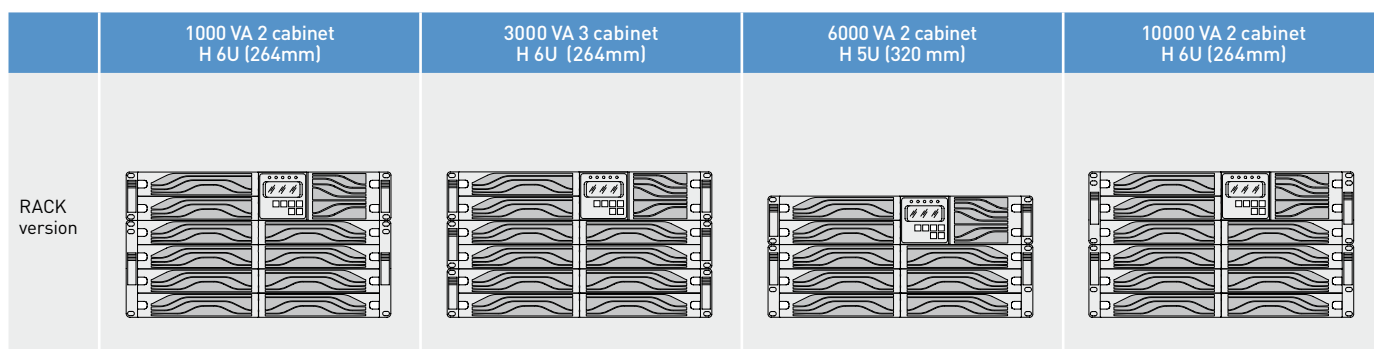
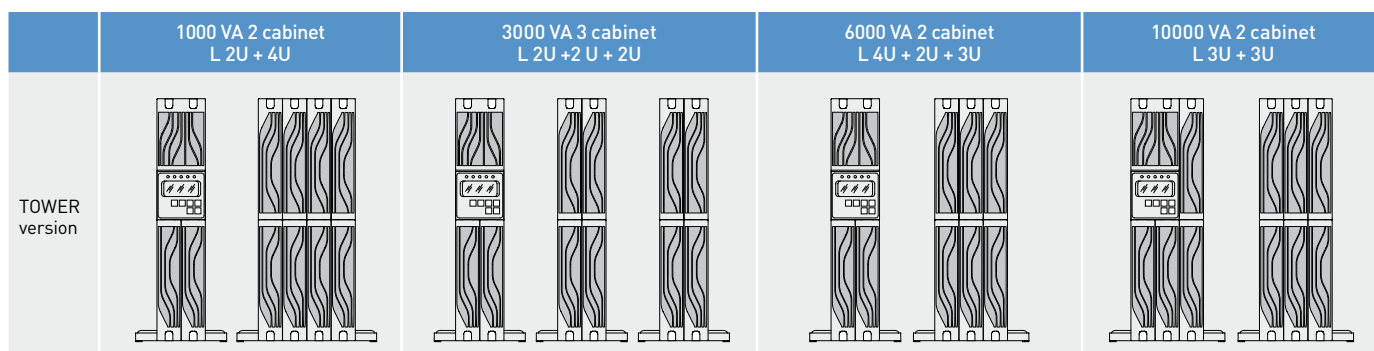
UPS Daker DK can be used in both tower and 19 inch rack versions thanks to its reversible display.

Daker DK

Long back up time table

Model	Power:	Back up time	no. Cabinet and dimensions H x W x D (mm)	Item
Daker DK	1000 VA	10'	440 x 88 x 405	3 100 50
		1h 22'	440 x 88 x 405 + 440 x 176 x 405	3 100 50 + 3 107 69
		2h 44'	440 x 88 x 405 + 440 x 176 x 405 (x2)	3 100 50 + 3 107 69 (x2)
		4h 22'	440 x 88 x 405 + 440 x 176 x 405 (x3)	3 100 50 + 3 107 69 (x3)
		5h 52'	440 x 88 x 405 + 440 x 176 x 405 (x4)	3 100 50 + 3 107 69 (x4)
	2000 VA	10'	440 x 88 x 650	3 100 51
		39'	440 x 88 x 650 (x2)	3 100 51 + 3 107 70
		1h 22'	440 x 88 x 650 (x3)	3 100 51 + 3 107 70 (x2)
		1h 57'	440 x 88 x 650 (x4)	3 100 51 + 3 107 70 (x3)
		2h 44'	440 x 88 x 650 (x5)	3 100 51 + 3 107 70 (x4)
	3000 VA	8'	440 x 88 x 650	3 100 52
		34'	440 x 88 x 650 (x2)	3 100 52 + 3 107 71
		1h 6'	440 x 88 x 650 (x3)	3 100 52 + 3 107 71 (x2)
		1h 33'	440 x 88 x 650 (x4)	3 100 52 + 3 107 71 (x3)
		2h 3'	440 x 88 x 650 (x5)	3 100 52 + 3 107 71 (x4)
	4500 VA	10'	440 x 88 x 650 + 440 x 132 x 680	3 100 56 + 3 107 72
		31'	440 x 88 x 650 + 440 x 132 x 680 (x2)	3 100 56 + 3 107 72 (x2)
		56'	440 x 88 x 650 + 440 x 132 x 680 (x3)	3 100 56 + 3 107 72 (x3)
		1h 30'	440 x 88 x 650 + 440 x 132 x 680 (x4)	3 100 56 + 3 107 72 (x4)
	6000 VA	8'30"	440 x 88 x 650 + 440 x 132 x 680	3 100 57 + 3 107 72
		25'	440 x 88 x 650 + 440 x 132 x 680 (x2)	3 100 57 + 3 107 72 (x2)
		45'	440 x 88 x 650 + 440 x 132 x 680 (x3)	3 100 57 + 3 107 72 (x3)
		60'	440 x 88 x 650 + 440 x 132 x 680 (x4)	3 100 57 + 3 107 72 (x4)
	10000 VA	7'	440 x 132 x 650 + 440 x 132 x 680	3 100 58 + 3 107 66
		18'	440 x 132 x 650 + 440 x 132 x 680 (x2)	3 100 58 + 3 107 66 (x2)
		29'	440 x 132 x 650 + 440 x 132 x 680 (x3)	3 100 58 + 3 107 66 (x3)
		42'	440 x 132 x 650 + 440 x 132 x 680 (x4)	3 100 58 + 3 107 66 (x4)
		56'	440 x 132 x 650 + 440 x 132 x 680 (x5)	3 100 58 + 3 107 66 (x5)

NOTE: back up time values, expressed in minutes, are measured during optimal operating conditions.



Daker DK

Conventional UPS - Single-phase On-line double conversion VFI



The display shows the main system parameters and their status, including the battery charge level and malfunctions.

The integrated communication software allows not only controlling the uninterruptable power supply and stopping in case of equipment malfunction, it also allows the user to remotely test the main functions of the uninterruptable power supply, communicating through SNMP/Internet/network adaptor, accessing uninterruptable power supply unit functions by way of Internet and also sending the user an SMS if specific events occur.

The slot of series provides additional flexibility for network configuration. There is also a WEB/SNMP board and a relay interface available that are capable of supplying isolated contacts for application on industrial control panel or remote alarm panels.

The automatic and manual bypass (optional) guarantees continual electrical power supply to critical loads, in case of electronic malfunction, overload, overheating or programmed maintenance. A maintenance bypass switch box is available.

Pack.	Item	CONVERTIBLE UPS WITH BATTERIES			
		NOMINAL POWER VA	POWER ACTIVE W	BACK UP TIME (MIN.)	WEIGHT (kg)
	3 100 50	1000	800	10	16
	3 100 51	2000	1600	10	29,5
	3 100 52	3000	2400	8	30
	3 100 53	4500	4050	6	60
	3 100 54	6000	5400	4	60

Pack.	Item	VARIOUS ACCESSORIES
		DESCRIPTION
	3 109 50	Additional 200W battery charger (for Daker DK 1000-2000-3000)
	3 109 54	Additional 1000W battery charger (for Daker DK 4500-6000-10000)
	3 109 52	Kit of Rack support brackets
	3 109 53	External manual bypass (for Daker DK 1000-2000-3000)
	3 109 69	Dry contact card

CONVERTIBLE UPS - WITHOUT BATTERIES

	NOMINAL POWER VA	POWER ACTIVE W	BACK UP TIME (MIN.)	WEIGHT (kg)
3 100 56	4500	4050	-	25
3 100 57	6000	5400	-	25
3 100 58	10000	9000	-	26

BATTERY CABINET (WITH BATTERIES)

	DESCRIPTION
3 107 69	Battery cabinet for 3 100 50 (12 batteries 12V, 7.2 Ah)
3 107 70	Battery cabinet for 3 100 51 (12 batteries 12V, 7.2 Ah)
3 107 71	Battery cabinet for 3 100 52 (12 batteries 12V, 9 Ah)
3 107 72	Battery cabinet for 3 100 56 and 3 100 57 (20 batteries 12V, 7.2 Ah)
3 107 66	Battery cabinet for 3 100 58 (20 batteries 12V, 9 Ah)

BATTERY CABINETS (EMPTY)

	DESCRIPTION
3 107 50	Battery cabinet for 3 100 50 (for 12 batteries 12V, 7.2 Ah)
3 107 51	Battery cabinet for 3 100 51 (for 12 batteries 12V, 7.2 Ah)
3 107 52	Battery cabinet for 3 100 52 (for 12 batteries 12V, 9 Ah)
3 107 53	Battery cabinet for 3 100 56 and 3 100 57 (for 20 batteries 12V, 7.2 Ah)
3 107 54	Battery cabinet for 3 100 58 (for 20 batteries 12V, 9 Ah)

NOTE: back up time values, expressed in minutes, are measured during optimal operating conditions.

Daker DK

Conventional UPS - Single-phase On-line double conversion VFI

Item	3 100 50	3 100 51	3 100 52	3 100 53	3 100 56	3 100 54	3 100 57	3 100 58
General Features								
Nominal power (VA)	1000	2000	3000	4500		6000		10000
Active power (W)	800	1600	2400	4050		5400		9000
Technology	On-Line Double Conversion VFI-SS-111							
Waveform	Sinusoidal							
UPS architecture	convertible tower and 19 rack							
Input								
Input voltage	230 V							
Input frequency	50-60 Hz \pm 5% Autosensing							
Input Voltage Range	160V - 288V with full load							
THD Input current	< 3%							
Input power factor	> 0,99							
Compatibility with Power-Supply Units	Configurable in order to achieve synchronism between input and output frequencies, even for wider frequency ranges, \pm 14%							
Output								
Output voltage	230V \pm 1%							
Output frequency (Nominal)	50/60 Hz (can be set from the LCD panel) +/- 0.1%							
Crest Factor	1:3							
THD Output voltage	< 3% (with linear load)							
Output Voltage Tolerance	\pm 1%							
Bypass	Automatic and maintenance bypass (OPTIONAL)	-	-	-	-	-	-	-
Batteries								
Back up time Expansion	yes							
Number of batteries	3	6	6	20	-	20	-	-
Battery series Type/Voltage	12V 7.2Ah	12V 7.2Ah	12V 9Ah	12V 5Ah	-	12V 5Ah	-	-
Back up time with 80% load (min)	8	8	6,3	6	-	4	-	-
Configuration and management								
Display and Signals	Four buttons and four LEDs to monitor the status of the UPS in real time and the main parameters of the UPS							
Communication Ports	USB, RS232 serial ports			RS232 serial ports				
Remote Management	available							
Network interface slot	SNMP							
Mechanical features								
Dimensions H x W x D (mm)	440x88 (2U) x405	440x88 (2U) x650	440x88 (2U) x650	440x176 (4U) x680	440x88 (2U) x680	440x176 (4U) x680	440x88 (2U) x680	440x132 (3U) x680
Battery Cabinet Dimensions H x W x D (mm)	440x176 (4U) x405	440x88 (2U) x650	440x88 (2U) x650	-	440x132 (3U) x680	-	440x132 (3U) x680	440x132 (3U) x680
Net Weight (kg)	16	29,5	30	52	25*	52	25*	26*
Environmental conditions								
Operating temperature (°C)	0 ÷ 40							
Degree of protection	IP21							
Relative humidity (%)	20÷80 % non-condensing							
Noise level at 1 m (dBA)	< 50							
Heat Loss (BTU/h)	490	654	818	982		1310	1636	
Certifications								
Standards	EN 62040-1, EN 62040-2, EN 62040-3							

* Weight without battery

NOTE: back up time values, expressed in minutes, are measured during optimal operating conditions.



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