

NUMERIC[®]

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Daker DK Plus

Single Phase UPS



RACK-TOWER UPS from 1 to 10 kVA

**NEW ENERGY
TO POWER**



Daker DK Plus

On-Line double conversion UPS that can be used in both tower and rack configurations.

CONVERTIBLE SINGLE PHASE UPS

The main parameters of the system and the status of the UPS, including the battery charge level and faults, are displayed on the LCD screen.

The models from 5 to 10 kVA have power factor 1 with an efficiency of up to 94%.

Additional battery cabinets are available to increase the backup time of the UPS. A charger can be added in all battery cabinets for fast, safe charging.



Reversible screen

With the reversible screen, the Daker DK Plus UPS can be used in both tower and 19" rack configuration.

DAKER DK PLUS

UPS - On-line double conversion VFI



The main parameters of the UPS including the battery charge level and faults, are displayed on the LCD screen on the front panel. The integrated communication software not only controls the UPS and its switch-off if there is a malfunction and enables the user to test the main functions remotely, communicate via SNMP/Internet/network adaptor and access the functions of the UPS via the Internet, but can also send the user a SMS if specific events occur.

The internal extension connector enables a WEB/SNMP card or a relay interface to be installed which provides insulated contacts for applications on industrial control panels or remote alarm panels.

If there is an electronic fault, overload, overheating or for scheduled maintenance operations, the automatic or manual (optional) bypass ensures continuity of the power supply for critical loads. A bypass switch is available for maintenance.

Pack	Cat. Nos.	Convertible UPS with batteries				
		Nominal power (VA)	Active power (W)	Backup time (min)	Weight (kg)	
1	3 101 70	1000	900	9	16	
1	3 101 71	2000	1800	10	29,5	
1	3 101 72	3000	2700	7	30	
1	3 101 73	5000	5000	6	60	
1	3 101 74	6000	6000	5	60	

Pack	Cat. Nos.	Battery cabinet (empty)	
		Description	
1	3 106 65	Battery cabinet for 3 101 70	
1	3 106 66	Battery cabinet for 3 101 71	
1	3 106 67	Battery cabinet for 3 101 72	
1	3 106 68	Battery cabinet for 3 101 73 - 3 101 74 - 3 101 75 - 3 101 76	
1	3 106 69	Battery cabinet for 3 101 77 - 3 101 78	

		Convertible UPS without batteries			
		Nominal power (VA)	Active power (W)	Phase configuration	Weight (kg)
1	3 101 75	5000	5000	-	25
1	3 101 76	6000	6000	-	25
1	3 101 77	10000	10000	-	26
1	3 101 78*	10000	9000	-	28

* 3-1 version

		Accessories	
		Description	
1	3 109 52	Rack support bracket kit	
1	3 109 53	External manual Bypass for 3 101 70 - 3 101 71 - 3 101 72	
1	3 109 63	External manual Bypass for 3 101 73 - 3 101 74 - 3 101 75 - 3 101 76 - 3 101 77	
1	3 109 59	Additional charger for 3 101 70	
1	3 109 61	Additional charger for 3 101 71 - 3 101 72	
1	3 109 54	Additional charger for 3 101 73 - 3 101 74 - 3 101 75 - 3 101 76 - 3 101 77 - 3 101 78	
1	3 109 69	Dry contact card	

		Battery cabinet (with batteries)	
		Description	
1	3 106 60	Battery cabinet for 3 101 70	
1	3 106 61	Battery cabinet for 3 101 71	
1	3 106 62	Battery cabinet for 3 101 72	
1	3 106 63	Battery cabinet for 3 101 73 - 3 101 74 - 3 101 75 - 3 101 76	
1	3 106 64	Battery cabinet for 3 101 77 - 3 101 78	

NOTE: The stated back-up times in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.

DAKER DK PLUS

UPS - On-line double conversion VFI

General characteristics	3 101 70	3 101 71	3 101 72	3 101 73	3 101 75	3 101 74	3 101 76	3 101 77	3 101 78
Nominal power (VA)	1000	2000	3000	5000		6000		10000	10000
Active power (W)	900	1800	2700	5000		6000		10000	9000
Technology	On-line double conversion VFI-SS-111								
Waveform	Sinusoidal								
Architecture	Convertible tower and 19" rack								
Input characteristics									
Input voltage	230 V								380V 3P+N
Input frequency	50-60 Hz \pm 5% autosensing								
Input voltage range	176V - 280V at full load								305V - 485V
THD of input current	< 3%								
Input power factor	> 0,99								> 0,9
Output characteristics									
Output voltage	230 V \pm 1%								
Output frequency (nominal)	50/60 Hz (configurable via LCD panel) \pm 0.1%								
Efficiency	up to 90%	up to 91%	up to 92%	up to 94%				up to 90%	
Peak factor	1:3								
THD of output voltage	< 3% with linear load								
Output voltage tolerance	\pm 1%								
Internal automatic bypass	-								
External maintenance bypass	optional								-
Batteries									
Backup time extension	Yes								
Backup time (min)	9	10	7	6	-	5	-	-	-
Communication and management									
Screen and signalling	Four buttons and five LEDs for real-time control of the status and the main parameters of the UPS								
Communication ports	RS232 and USB serial ports								RS232 serial ports
Connector for network interface	SNMP								
Back feed protection	-								
Emergency power off (EPO)	-								
Mechanical characteristics									
Dimensions (H x W x D) (mm)	440 x 88 (2U) x 405	440 x 88 (2U) x 600		440x196 (4U)x680	440x88 (2U)x680	440x196 (4U)x680	440x88 (2U)x680	440x132 (3U) x680	
Net weight (kg)	16	29,5	30	60	25*	60	25	26	28
Dimensions of battery cabinet H x W x D (mm)	440x196 (4U)x425	440 x 88 (2U) x 600		-	440 x 88 (2U) x 680	-	440 x 88 (2U) x 680	440 x 132 (3U) x 680	
Ambient conditions									
Operating temperature (°C)	0 \div 40°C								
Protection index	IP 21								
Relative humidity (%)	20 to 80%								
Noise at 1 m (dBA)	< 50								
Heat dissipation (BTU/h)	490	654	818	892		1300		1636	
Certifications									
Reference product standards	EN 62040-1, EN 62040-2, EN 62040-3								

NOTE: The stated back-up time in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.

Accuracy of dimension \pm 2 mm.

Technical Specifications

Note: Product specifications are subject to change purely on company's discretion without any prior notice. Please write to us at corporate.numeric@numericups.com for any further clarification.

DAKER DK PLUS

Long backup time table

Model	Power	Backup time	Dimensions and number of cabinets H x W x D (mm)	Cat. Nos.
Daker DK Plus	1000 VA	9'	440 x 88 x 405	3 101 70
		1h 27'	440 x 88 x 405 + 440 x 196 x 425	3 101 70 + 3 106 60
		3h	440 x 88 x 405 + 440 x 196 x 425 (x2)	3 101 70 + 3 106 60 (x2)
	2000 VA	10'	440 x 88 x 600	3 101 71
		45'	440 x 88 x 600 (x2)	3 101 71 + 3 106 61
		1h 28'	440 x 88 x 600 (x3)	3 101 71 + 3 106 61 (x2)
	3000 VA	7'	440 x 88 x 600	3 101 72
		31'	440 x 88 x 600 (x2)	3 101 72 + 3 106 62
		58'	440 x 88 x 600 (x3)	3 101 72 + 3 106 62 (x2)
	5000 VA	1h 29'	440 x 88 x 600 (x4)	3 101 72 + 3 106 62 (x3)
		6'	440 x 88 x 680 + 440 x 88 x 680	3 101 75 + 3 106 63
		19'	440 x 88 x 680 + 440 x 88 x 680 (x2)	3 101 75 + 3 106 63 (x2)
		32'	440 x 88 x 680 + 440 x 88 x 680 (x3)	3 101 75 + 3 106 63 (x3)
	6000 VA	50'	440 x 88 x 680 + 440 x 88 x 680 (x4)	3 101 75 + 3 106 63 (x4)
		5'	440 x 88 x 680 + 440 x 88 x 680	3 101 76 + 3 106 63
		15'	440 x 88 x 680 + 440 x 88 x 680 (x2)	3 101 76 + 3 106 63 (x2)
		30'	440 x 88 x 680 + 440 x 88 x 680 (x3)	3 101 76 + 3 106 63 (x3)
	10000 VA	45'	440 x 88 x 680 + 440 x 88 x 680 (x4)	3 101 76 + 3 106 63 (x4)
		6'	440 x 132 x 680 + 440 x 132 x 680	3 101 77 + 3 106 64
		17'	440 x 132 x 680 + 440 x 132 x 680 (x2)	3 101 77 + 3 106 64 (x2)
28'		440 x 132 x 680 + 440 x 132 x 680 (x3)	3 101 77 + 3 106 64 (x3)	
41'		440 x 132 x 680 + 440 x 132 x 680 (x4)	3 101 77 + 3 106 64 (x4)	
Daker DK Plus 3-1	10000 VA	54'	440 x 132 x 680 + 440 x 132 x 680 (x5)	3 101 77 + 3 106 64 (x5)
		7'	440 x 132 x 680 + 440 x 132 x 680	3 101 78 + 3 106 64
		19'	440 x 132 x 680 + 440 x 132 x 680 (x2)	3 101 78 + 3 106 64 (x2)
		31'	440 x 132 x 680 + 440 x 132 x 680 (x3)	3 101 78 + 3 106 64 (x3)
		45'	440 x 132 x 680 + 440 x 132 x 680 (x4)	3 101 78 + 3 106 64 (x4)
		59'	440 x 132 x 680 + 440 x 132 x 680 (x5)	3 101 78 + 3 106 64 (x5)

NOTE: The stated back-up times in minutes are estimated and may vary according to the load characteristics, operating conditions and environment.
Accuracy of dimension ± 2 mm.

Configurations

	1000 VA 2 cabinet L 2U + 4U	2000 VA 2 cabinet L 2U + 2U	3000 VA 3 cabinet L 2U + 2U + 2U	6000 VA 2 cabinet L 2U + 2U	10000 VA 2 cabinet L 3U + 3U
TOWER version					
RACK version	1000 VA 2 cabinet H 2U + 4U (294mm)	2000 VA 2 cabinet H 2U + 2U (196mm)	3000 VA 3 cabinet H 2U + 2U + 2U (294mm)	6000 VA 2 cabinet H 2U + 2U (196 mm)	10000 VA 2 cabinet H 3U + 3U (294mm)

POWER PARTNER

IN BUSINESS CONTINUITY

- Over three decades of leadership
- Among top 3 UPS companies in India
- Active installation base of 1 million+ UPS systems*
- Largest pan-India service network
- 5 world-class manufacturing units

WHO WE ARE

We are the trusted, reliable power partner for mission critical applications across segments like IT, Healthcare, Banking, Telecom, Industries, Government, Retail, Research and Education to name a few. We help businesses optimize their productivity by providing seamless and clean power solutions with controlled environmental footprints. We provide complete peace of mind with five world-class manufacturing units and the largest pan-India sales and service network.

Being part of the Legrand Group since 2012, has given us the advantage of a truly GLOCAL company - global technological

expertise and strong local market insights. We are the single largest source for a wide range of power conditioning solutions built with the latest technology, one that is being constantly upgraded with technological advances to meet current market needs. Keeping our UPS' humming and your mission critical applications running is the largest and widest pan-India service network of 255 direct service centres, five manufacturing units in Chennai and Sinnar that have been certified for meeting ISO 9001:2015, ISO 14001:2015 and SA 8000:2008 OHSAS 18001:2007 standards and over 900 factory trained service professionals on the field.

*over one decade.





Customer services

Reliable

Directly present in 250+ locations across India to ensure quick support, a team of 900+ factory qualified engineers are available 24/7/365 to support your UPS system to ensure availability to the most critical loads.

Excellent

Numeric competitive edge lies in its ability to provide high value-added UPS systems and service for customers. For Numeric, creating value means providing solutions with low energy consumption. Being part of Legrand a global specialist in electrical & digital building infrastructure means interrupted solution to fit customer needs

Tailor-made

We offer a complete range of solutions and services to meet customer requirements:

- Technical pre-sales support
- UPS sizing and solution
- Supervision of installation, testing and commissioning.
- Operator training
- Site audits
- Warranty extension offers
- Annual maintenance contract