

# DAKER DK PLUS

## UPS - On-line double conversion VFI

### Characteristics

Cat.Nos	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
<b>General characteristics</b>									
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								
<b>Input characteristics</b>									
Input voltage	230 V								380 V 3 P+N
Input frequency	50-60 Hz $\pm$ 5% autosensing								
Input voltage range	176 V - 280 V at full load								305 V - 485 V
THD of input current	< 3%								
Input power factor	> 0.99								> 0.9
<b>Output characteristics</b>									
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	3:1								
THD of output voltage	< 3% with linear load								
Output voltage tolerance	$\pm$ 1%								
Internal automatic bypass	included								
External maintenance bypass	optional	optional	optional	optional	optional	optional	optional	optional	-
<b>Batteries</b>									
Back-up time extension	Yes								
Back-up time (min)	9	10	7	6	-	5	-	-	-
<b>Communication and management</b>									
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
Remote control	Available								
Connector for network interface	SNMP								
Back feed protection	yes								
Emergency power off (EPO)	yes								
<b>Mechanical characteristics</b>									
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	
<b>Ambient conditions</b>									
Operating temperature ( $^{\circ}$ C)	0 $\div$ 40 $^{\circ}$ 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	
<b>Certifications</b>									
Reference product standards	EN 62040-1, EN 62040-2, EN 62040-3								

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