

Discovery



Rear view

The Discovery is one of EFFEKTA®'s most tried and tested developments. It is the result of the application of state-of-the-art technologies.

The UPS up to 9kVA can be supplied with three-phase 380-400-415V input or single-phase 220-230-240V input.

The Discovery has been especially designed for the protection and uninterruptible operation of communications systems, computer systems and industrial control equipment.

A wide range of ease-to-use extensions enable the Discovery to be integrated easily for any application.

- UPS-classification VFI-SS-111 in accordance with IEC 62040-3
- Online double-conversion
- Power factor >0.95
- Sine wave current consumption
- Wide input voltage range
- "Power save" Mode (energy saving mode)
- Automatic and manual bypass
- Modular battery extension
- RS-232 communication and SNMP via adapter
- 24 months' warranty



Specifications

Power (in kVA)	Autonomy time in min. (more info on request)	UPS dimensions (H x W x D in mm)	Battery cabinet dimensions (H x W x D in mm)	Weight in kg
4	15	760 x 365 x 880		110
	35	760 x 365 x 880		165
5	10	760 x 365 x 880		110
	27	760 x 365 x 880		165
6	8	760 x 365 x 880		110
	22	760 x 365 x 880		165
	37	760 x 365 x 880		220
7	6	760 x 365 x 880		110
	17	760 x 365 x 880		165
	30	760 x 365 x 880		220
9	12	760 x 365 x 880		165
	21	760 x 365 x 880		220
	30	760 x 365 x 880	760 x 240 x 830	220+65
10	10	760 x 365 x 880		165
	20	760 x 365 x 880		220
	30	760 x 365 x 880	760 x 240 x 830	220+65
12	8	760 x 365 x 880		165
	15	760 x 365 x 880		220
	22	760 x 365 x 880	760 x 240 x 830	220+65

Type	DTL 04	DTL 05	DTL 06	DTL 07	DTL 09	DTL 10	DTL 12
Power							
VA rating	4	5	6	7	9	10	12
Wattage	2.8	3.5	4.2	4.9	6.3	7	8.4
Power factor - cos phi	0.7						
Input							
Voltage	1 x 160-262VAC o. 3 x 275-455VAC					3 x 275-455VAC	
Frequency	40-70Hz						
Max current (ampere)	18.5	23.1	27.7	32	41.1	46.3	55.5
PFC (power factor correction)	0.95						
Output							
Voltage	1 x 230VAC, ± 1%						
Max current in Ampere	17.4	21.7	26	30	39.1	43.5	52.2
Voltage regulation	± 1%						
Voltage regulation - dynamic (100% load fluct.)	± 5%						
Overload	125% for 5 min / 200% for 100 msec						
Frequency	50/60Hz (± 0,1Hz in back-up mode)						
Synchronisation	± 1 or ± 4Hz						
Waveform	Pure sine wave						
Crest factor	2.7:1						
Harmonic distortion	<2% with linear load						
Fault reaction	Automatic switch to bypass or disconnection (in case of overload, overheat or short circuit)						
Efficiency	>90-92% with loaded batteries up to 100%						
Batteries							
Autonomy time (100% load)	15 / 37	10 / 25	8 / 20	6/14	12/28	10 / 25	8 / 20
DC-voltage	240VDC						
Number of blocs	20						
Capacity	7Ah						
Type	Lead acid, maintenance free						
Expected lifetime	5 years (optional 10 years)						
Recharge time	6-8 hours up to 90%						
Bypass (EUE)							
Voltage	1 x 230V (160-270V)						
Overload	1000% for 100 msec						
Manual bypass (standard)	Yes						
Communication							
Display	LCD display with 30 different alphanumeric / 8 status messages						
Interface	RS232 / floating contacts via sub D						
SNMP	Optional via software or external adaptor						
Certificates and tests							
Security	IEC 950/EN 50091-1-1, TÜV/GS, CE, UL						
EMV / RFI	EN 55022 «A»						
Mechanics / environment							
Enclosure	Tower / colour grey/ protection type IP 21						
UPS dimensions UPS (W x H x D in mm)	760 x 365 x 880						
Battery pack dimensions (W x H x D in mm)	760 x 240 x 830						
Weight	Depending on number of batteries						
Temperature	0-40°C (UPS without batteries)						
Humidity	10-90% (non-condensing)						
Audible noise	45 dB(A) at 1m distance (depends on load and temperature))						