

One of the latest developments of EFFEKTA[®] is our **Discovery**. It is a result of modern technologies.

Discovery was especially designed for protection and uninterruptible operation of communication systems, computer systems and industrial control equipment.



A wide range of ease to use extensions makes it simple to integrate **Discovery** in every application.

A modern optical design, compact dimensions and very silent operation are helpful for setting up **Discovery** in offices.

- Online Double-Conversion
- Power factor > 0.95
- Sinusoidal input current
- Wide input voltage range
- Power-Save Mode
- Automatic & manual Bypasses
- Modulare Battery Extensions
- RS-232 and Relays (SNMP via Adaptor)
- 24 Months Warranty

Type	DTL 04	DTL 05	DTL 06	DTL 08	DTL 10	DTL 12
Power						
Power in kVA	4	5	6	8	10	12
Power in kW	3.2	4	4.8	6.4	8	9.6
Cos φ	0.8					
Input						
Voltage	3 x 360/380/400/415 VAC (Voltage range 275-455 VAC)					
Frequency range	40-70 Hz					
Current max. (in Ampere)	18.5	23.1	27.7	37	46.3	55.5
PFC	0.95					
Output						
Voltage	1 x 230 VAC, ± 1%					
Current in Ampere	17.4	21.7	26	34.8	43.5	52.2
Voltage regulation	± 1%					
Voltage regulation dynamic	± 5%					
Overload	125% for 5 minutes / 200% for 100 msec					
Frequency	50/60 Hz (± 0,1 Hz)					
Synchronisation	± 1 or ± 4 Hz selectable					
Wave form	Pure Sinewave					
Crestfactor	2,7:1					
Harmonic distortion THD (linear Load)	<3%					
Efficiency	86...92%					
Battery						
Backup Time 100% load/ 50% load min	15 / 37	10 / 25	8 / 20	12/28	10 / 25	8 / 20
Voltage	240 VDC					
Number of 12V-blocs	20					
Capacity	7 Ah					
Type	Sealed maintenance-free lead acid (VRLA)					
Expected lifetime	5 years					
Recharging time	4-6 hours up to 90% capacity					
Bypass (EUE)						
Voltage	1 x 230 V (160-270 V)					
Overload	1000% for 100 msec					
Manual bypass (Standard)	Yes					
Communication						
Display	LCD-Display and LED-Display					
Acoustic alert	yes					
Interfaces	RS232 / Opto-Coupler (max. 24 VDC/100 mA)					
SNMP	Optional via Software or external Adaptor					
Approvals						
Safety	IEC 950/EN 50091-1-1, TÜV/GS, CE, UL					
EMC / RFI	EN 55022 « A »					
Mechanics / Environment						
Cabinet	Tower / colour RAL7035 / Protection Class IP 21					
Dimensions UPS (H x B x T in mm)	760 x 365 x 880					
Dimensions Battery cabinet (H x B x T in mm)	760 x 240 x 830					
Weight	40 kg (UPS without batteries)					
Temperature	0-40°C (without batteries)					
Humidity Rel.	10-90% not condensing					
Audible noise	45 dB(A) in 1 m					

Power (in kVA)	Batterytime in min. (more on demand)	Dimensions UPS (H x W x D in mm)	Dimensions Battery-cab. (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
	60	760 x 365 x 880		220
5	10	760 x 365 x 880		110
	27	760 x 365 x 880		165
	45	760 x 365 x 880		220
6	8	760 x 365 x 880		110
	22	760 x 365 x 880		165
	37	760 x 365 x 880		220
8	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