

Protect 3

10 - 300 KVA (with transformer)



Applications



Different Size and Power levels



Specifications

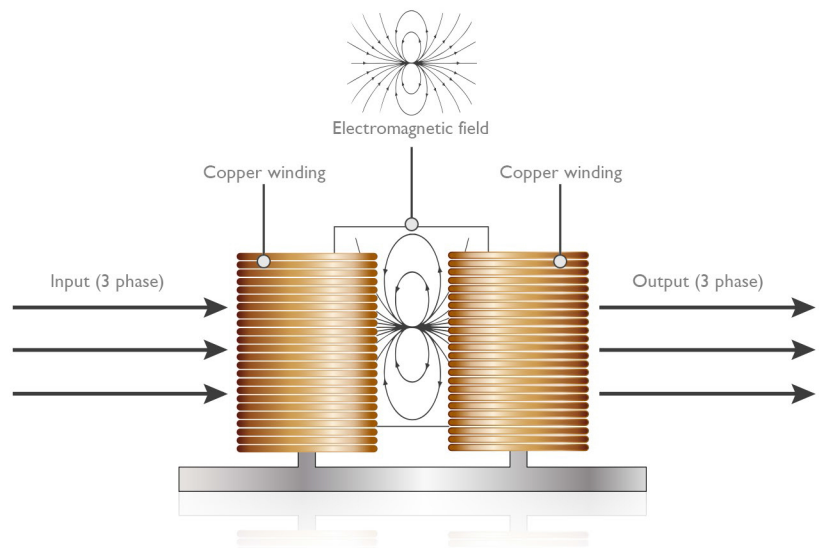
- On-line “double conversion” technology (VFI)
- Galvanic isolation transformer
- LCD-LED display
- IGBT technology (inverter)
- Optional battery runtime
- Inductive load acceptable
- Wide input voltage range
- Parallel redundancy (optional)
- Internal static and manual bypass
- Self testing at UPS startup
- 128 events alarm memory
- Intelligent management via RS232
- EPO (Emergency Power Off)
- Relay card (dry contacts)
- Software and USB cable included
- Backfeed protection from 60 to 300kVA

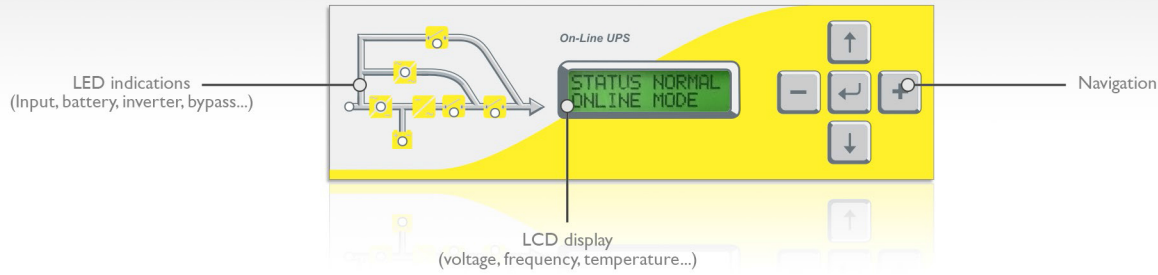
Options:

- SNMP / AS400 card
- External maintenance bypass
- 2 years warranty

Galvanic Isolation Transformer

This high-quality online UPS from Protect is provided with a galvanic isolation transformer, which means that the electric circuits before and after the UPS are not connected physically, but via an electromagnetic field. This increases the reliability of the protection essentially. Spikes and disturbances can not pass the magnetic field of the galvanic isolation transformer.





Protect 3	Model													
	10	15	20	30	40	60	80	100	120	160	200	250	300	
— Input														
Voltage	380/400Vac 3phase +N, +/-15%													
Internal bypass	380 to 400Vac 3phase, +/-12%													
Input frequency	50Hz (60Hz on request), +/-5%													
— Output														
Power (kW)	8	12	16	24	32	48	64	80	96	128	160	200	240	
Power factor	0,8													
Voltage	380/400Vac 3phase +N													
Voltage regulation	Balanced load: +/-1%, unbalanced load: +/-2%, step load: +/-5%													
Recovery time (voltage)	< 25ms (load step 0-100%)													
Frequency	50Hz (60Hz optional)													
Frequency regulation	Line synchronized: +/-2%, free running: +/-0,2%													
Efficiency at 100% load	90-91%			90-93%										
Crest factor	3:1													
Overload protection	10min: 100% to 125%, 1min: 125% to 150%, bypass: more than 150%													
Short circuit protected	electronic													
Total harmonic distortion (THD)	Linear load: <3%, non-linear load: <5%													
— Batteries (external)														
Type	AGM/Gel - maintenance free													
Number of batteries	30 x 12V											32 x 12V		
Ambient temperature	25°C													
Battery protection	Circuit breaker													
Battery test	Automatic and selectable interval time													
— General														
Regulations	EN62040-2													
Serial communication	Dry contacts & RS232													
Communication	UPS management software included													
Temperature range	0-40°C													
Ventilation	Forced air cooling													
Relative humidity	<90% (non-condensed)													
Protection degree	IP20													
Altitude	<1000m above sea level													
Audible noise at 1m	< 56dB			< 60dB			< 65dB			< 70dB				
Weight without batteries (kg)	225	255	265	295	410	460	590	795	895	1125	1155	1595	1775	
Dimensions (mm), HxWxD	1155x505x655				1395x575x820			1455x720x825	1655x1110x810		1735x1195x870		1885x1565x925	
— Options														
Input/output voltage	208/220Vac 3phase													
Transformer	Galvanic isolation transformer at the bypass													
Input harmonic filter	10% with 12 pulse rectifier, 5% with 18 pulse rectifier													
IPF	Up to 0,97 with 18 pulse rectifier													
Communication	SNMP, MODBUS, RS485													
Parallel operation	Up to 4 units													

ON-LINE