



The **ERMES T** Series UPS technology and true on-line double conversion power protection are ideal for installations requiring high energy efficiency and maximum power available. **ERMES T** series provides exceptional operating efficiency (over more conventional thyristor rectifier-based systems), a compact footprint and easy maintenance access.



Data Center



Medical equipment



Industry



Sensitive IT loads



Telecom



Critical buildings

# Ermes T

Three Phase Transformer  
Isolated Inverter

10KVA ~ 200KVA

[www.itapower.it](http://www.itapower.it)

Made in Italy

# Ermes T

## Three Phase Transformer Isolated Inverter 10KVA ~ 200KVA



### highlights

- ① High efficiency of 98.5%
- ① Reduced weight for transformer-based UPS;
- ① Distributed parallel configuration of up to 8 units per redundant (N+1) or power parallel system
- ① Double load protection, both electronic and galvanic, towards the battery
- ① Efficiency Control System to optimize the operating efficiency of parallel systems
- ① Complete Galvanic separation 10-40KVA with 3/1 or 3/3 configuration



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MODEL	ET010	ET015	ET020	ET030	ET040	ET060	ET080	ET100	ET120	ET160	ET200	
<b>INPUT</b>												
Nominal Voltage	380-400-415 Vac three-phase + N											
Frequency	45-65 Hz											
Power Factor	$\geq 0.99$											
Harmonic Current Distortion	THDI $\leq 2\%$											
Soft Start	0-100% in 120" (selectable)											
Frequency Tolerance	$\pm 2\%$ (Slectable from $\pm 1\%$ to 5% from pannel control)											
Standard equipment	Backfeed protection; separable bypass line											
<b>OUTPUT</b>												
Nominal Power KVA	10	15	20	30	40	60	80	100	120	160	200	
Active Power KW	9	13.5	18	27	36	54	72	90	108	144	180	
Number of phases	3+N											
Rated Voltage	380-400-415 Vac three-phase + N (Slectable)						380-400-415 Vac three-phase + N					
Static Stability	$\pm 1\%$											
Dynamic Stability	$\pm 5\%$ in 10 ms											
Nominal Frequency	50/60Hz (Selectable)											
Voltage Distortion	$< 1\%$ (Linear Load); $< 3\%$ (Non-linear load)											
Overload	110% for 60', 125% for 10', 150% for 1'											
<b>BYPASS</b>												
Nominal Voltage	380-400-415 Vac three-phase + N											
Nominal Frequency	50/60Hz (Selectable)											
<b>BATTERY</b>												
Battery Type	VLRA AGM/GEL/NiCd/Li-ion/super caps/Flywheels											
Recharge Voltage compensation	$< 90\%$ non- condensing											
<b>INFO FOR ISOLATION</b>												
Dimension, D X W X H	555x740x1400					800x740x1400		800x800x1900				
Net Weight(kgs)	228	241	256	315	335	460	520	620	640	700	800	
Remot signal	Dry contacts (configurable)											
Remot control	EDS and bypass (configurable)											
Communication	Double RS232+Dry contacts+2slot for communications interface											
Operation temperature	0°C/+40°C											
Humidity	5-95% non-condensing											
Noise Level@1 Meter	60				62			65	63-68			
IP rating	20											
Smart active efficiency	up to 98%											
EMC/safety	Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2; (Voltage Frequency Independent) VFI - SS - 111											

