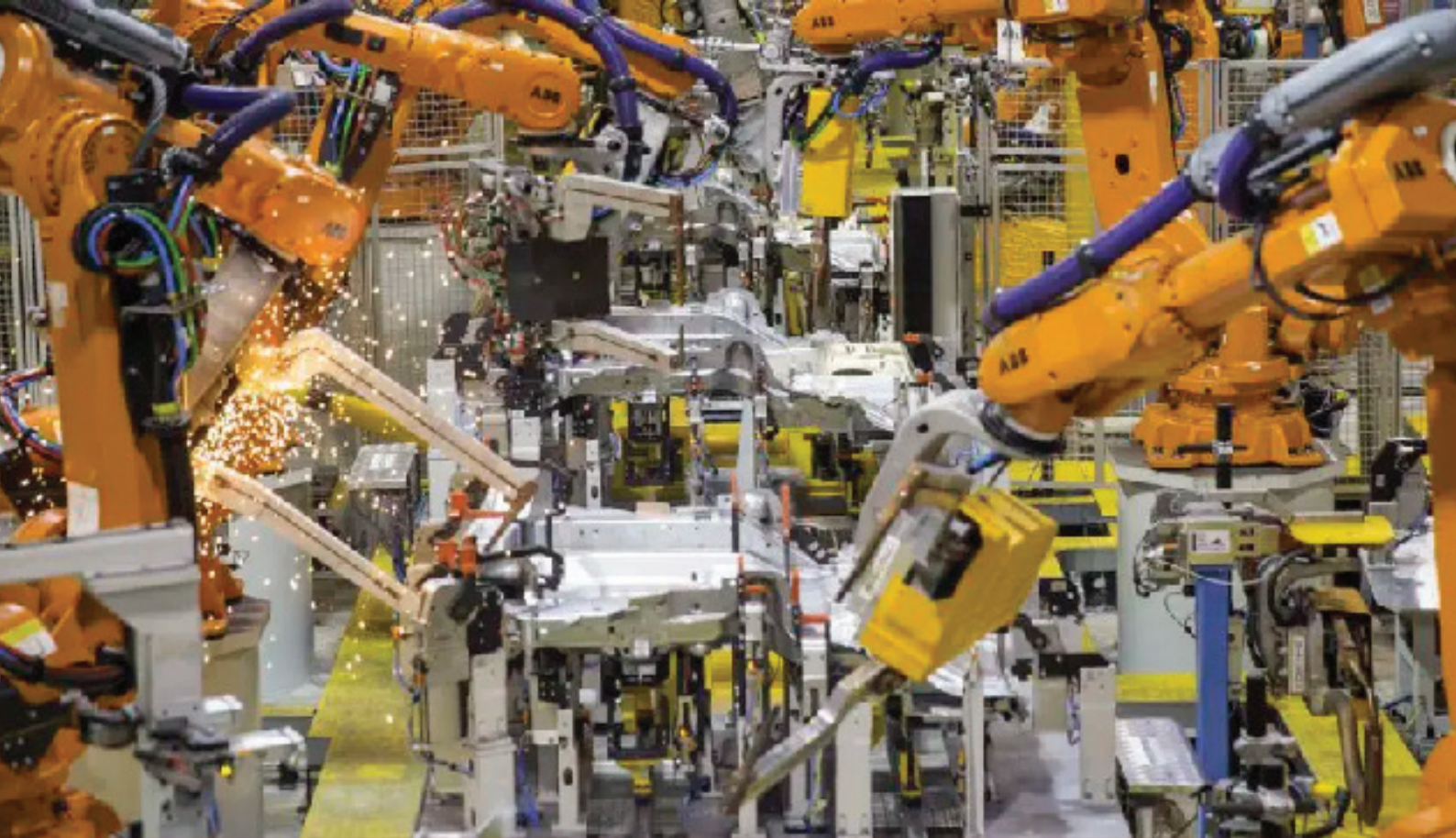




The **ERMES T** Series UPS technology and true on-line double conversion power protection are ideal for installations requiring high energy efficiency and maximum power available. **ERMES T** series provides exceptional operating efficiency (over more conventional thyristor rectifier-based systems),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



Data Center



Medical  
equipment



Industry



Sensitive  
IT loads



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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



Made in Italy

- ① **Hight 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 |
|-------------------------------|----------------------------------------------------------------------------------------------|-------|-------|-------|-------|---------------------------------|-------|--------------|-------|-------|-------|
| INPUT                         |                                                                                              |       |       |       |       |                                 |       |              |       |       |       |
| Nominal Voltage               | 380-400-415 Vac three-phase + N                                                              |       |       |       |       |                                 |       |              |       |       |       |
| Frequency                     | 45-65 Hz                                                                                     |       |       |       |       |                                 |       |              |       |       |       |
| Power Factor                  | ≥ 0.99                                                                                       |       |       |       |       |                                 |       |              |       |       |       |
| Harmonic Current Distortion   | THDI ≤ 2%                                                                                    |       |       |       |       |                                 |       |              |       |       |       |
| Soft Start                    | 0-100% in 120" (selectable)                                                                  |       |       |       |       |                                 |       |              |       |       |       |
| Frequency Tolerance           | ±2% (Slectable from ± 1% to 5% from pannel control                                           |       |       |       |       |                                 |       |              |       |       |       |
| Standard equipment            | Backfeed protection; separable bypass line                                                   |       |       |       |       |                                 |       |              |       |       |       |
| OUTPUT                        |                                                                                              |       |       |       |       |                                 |       |              |       |       |       |
| 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              | ± 1%                                                                                         |       |       |       |       |                                 |       |              |       |       |       |
| Dynamic Stability             | ± 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'                                                      |       |       |       |       |                                 |       |              |       |       |       |
| BYPASS                        |                                                                                              |       |       |       |       |                                 |       |              |       |       |       |
| Nominal Voltage               | 380-400-415 Vac three-phase + N                                                              |       |       |       |       |                                 |       |              |       |       |       |
| Nominal Frequency             | 50/60Hz (Selectable)                                                                         |       |       |       |       |                                 |       |              |       |       |       |
| BATTERY                       |                                                                                              |       |       |       |       |                                 |       |              |       |       |       |
| Battery Type                  | VLRA AGM/GEL/NiCd/Li-ion/super caps/Flywheels                                                |       |       |       |       |                                 |       |              |       |       |       |
| Recharge Voltage compensation | < 90% non- condensing                                                                        |       |       |       |       |                                 |       |              |       |       |       |
| INFO FOR ISOLATION            |                                                                                              |       |       |       |       |                                 |       |              |       |       |       |
| 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 |       |       |       |       |                                 |       |              |       |       |       |

