



Ermes series offers the best combination of power availability, energy efficiency and overall performance with the further guarantee of considerable savings in terms of installation and operating costs.



Telecom



Local Area  
Networks



IT



Small/Medium  
Data Center



Alarm & security  
systems

# Ermes R

Three Phase Online Tower-Rack  
Uninterruptible Power Supply

**10KVA ~ 60KVA**

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

# Ermes R

## Three Phase Online Tower-Rack Uninterruptible Power Supply

**10KVA ~ 60KVA**

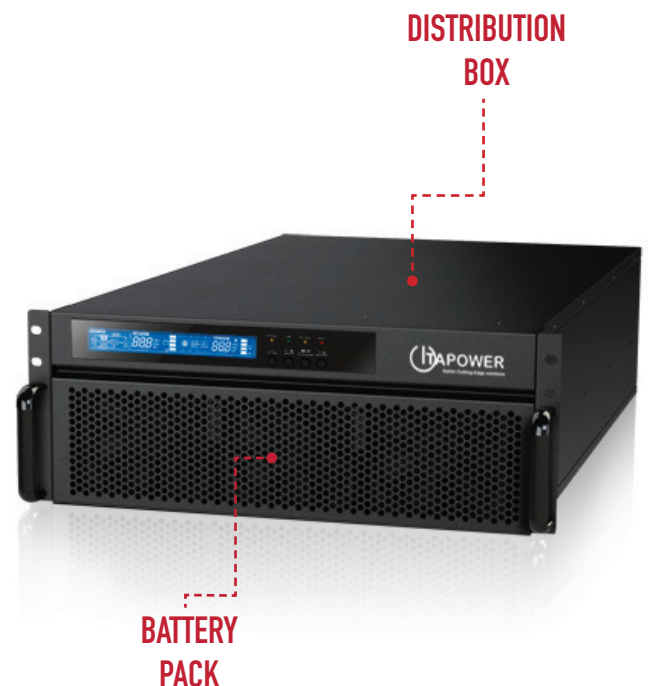


The Hermes Rack/Tower 10K-60K is a high-frequency UPS with a superior output power factor at 1.0 offering improved performance developed by the Itapower UPS research and development team.

ON LINE double conversion technology give the highest levels of reliability and maximum protection for critical loads.

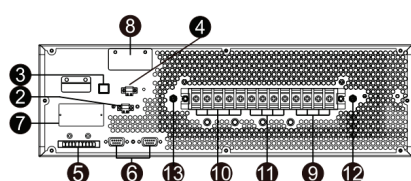
### highlights

- ① Unity power factor
- ① True double-conversion up to 96% AC/AC efficiency
- ① Compact 3U RT design, 19-inch rack
- ① Flexible input and output configuration, 3-3/3-1/1-1
- ① High performance DSP technology
- ① Frequency Converter operation (50 or 60 Hz)
- ① Parallel operation with common battery
- ① Emergency power off function (EPO)

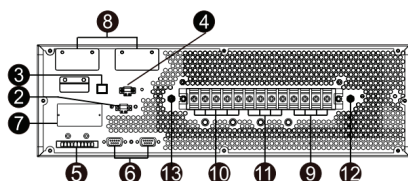


MODEL		ERR10	ERR15	ERR20	ERR30	ERR40	ERR60
PHASE		3-phase in / 3-phase out					
CAPACITY		10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW
PARALLEL CAPABILITY		4					
INPUT							
Nominal Voltage		3 x 400 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)					
Voltage Range		190-520 VAC (3-phase) @ 50% load ; 305-478 VAC (3-phase) @ 100% load					
Frequency		46~54 Hz or 56~64Hz					
Power Factor		≥ 0.99 @ 100% load					
OUTPUT							
Output Voltage		3 x 360*/380/400/415 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)				3 x 360*/380/400/415 VAC (3Ph+N)	
AC Voltage Regulation (Batt. Mode)		± 1%					
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz					
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz					
Current Crest Ratio		3:1 (max.)					
Harmonic Distortion		≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC mode to Battery mode	Zero					
	Inverter to Bypass	Zero					
Waveform (Batt. Mode)		Pure Sinewave					
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately					
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately					
EFFICIENCY							
AC Mode		95.5%					
ECO Mode		98.5%					
Battery Mode		94.5%					
BATTERY							
Battery Type		Depending on the applications					
Battery Numbers		20 pcs	32~40 pcs (Adjustable)				
Charging Current (max.)		1A~12A(Adjustable)				1A~16A (Adjustable)	1A~18A (Adjustable)
Charging Voltage		+/- 13.65 VDC x N (N=10)	+/- 13.65 VDC x N (N=16~20)				
PHYSICAL							
Dimension, D x W x H (mm)		680 x 438 x 133 (3U)				797 x 438 x 176 (4U)	
Net Weight (Kgs)		26	28	28	29	40	45
ENVIRONMENT							
Operating Temperature		0-40°C					
Operating Humidity		< 95 % and non-condensing					
Noise Level		Less than 62dBA @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter	
IP Rating		IP 20					
MANAGEMENT							
Smart RS-232/USB		Supports Windows® family, Linux and MAC					
Optional SNMP		Power management from SNMP manager and web browser					

\*When output voltage is set as 3 x 360VAC or 208 VAC, the output power of the unit will be de-rated to 90%.  
Product specifications are subject to change without further notice.



ERR10



ERR15 - ERR60

1. Power switch
2. External maintenance bypass switch port
3. USB communication port
4. Emergency power off function connector (EPO connector)
5. Share current port (only available for parallel model)
6. Parallel port (only available for parallel model)
7. Intelligent slot
8. External battery connector
9. Line input terminal
10. Output terminal
11. Bypass input terminal
12. Input grounding terminal
13. Output grounding terminal