THETYS EVO

Due to its dual online conversion with inverter transformer, THETYS EVO 60 – 160 kVA offers the galvanic insulation between direct and alternate voltage as a standard, and also ensures excellent performance in terms of dynamic response. With the use of an IGBT rectifier with the innovative technology of sinusoidal absorption, it is able to achieve a high reduction of harmonics (THDI <3%) and a power factor of the absorbed input current close to one (>0,99). These characteristics make it highly compatible with the unit upstream from the UPS without having to install additional filters. Moreover, Thetys Evo addresses the need to save on the operating costs of the most advanced computer systems due to its compact size and efficient design, which enables it to achieve an efficiency exceeding 94%. The cabinet can be placed against a wall and next to other electric panels without losing performance, due to its well-designed cooling system. The UPS is provided with a user-friendly intuitive interface, with mimic panel and lcd display, and includes a wide range of connectivity options which make the UPS easier to use and control in various installations. Finally, THETYS EVO is also available in parallel configurations to obtain redundancy and increase capacity, making it easy to install due to the parallel-ready technology which comes standard on the unit.

Nominal output power (0.8 PF) – kVA	60	80	100	125	160
Nominal input voltage - Vac	400 (-20% / + 15%) ; 380/415 settabile				
Nominal input current - A	75	100	125	156	200
Input power factor	>0.99				
Input harmonics distortion (THDI)	<3%				
Nominal output voltage - Vac	380, 400, 415 (± 1%)				
Efficiency (AC÷AC) - % eco mode	up to 99				
Efficiency (AC÷AC) - %	up to 94				
UPS ambient temperature – C°	0 - 40				
Audible noise level (acc. En50091) - dB	<60				
Battery test	Automatic every month / manual				
Rectifier bridge	IGBT				
Inverter bridge	IGBT (with isolation transformer)				
Overload capability	> 100% ÷ 125% per 10 min., > 125% ÷ 150% per 1 min., > 150% ÷ 199% per 10 sec., a 200% per 100ms.				
Output harmonic distortion (THDV)	<1%				
Crest factor	3:1				
Dimensions WxDxH - mm	815 X 865 X 1705				
Walk-in	Adjustable from 5" to 30"				
Hold-off	Adjustable from 1" to 300"				