



Technical Specifications:

MODELS	HT10	HT15	HT20	HT30	HT40	HT60	HT80
POWER (KVA)	10	15	20	30	40	60	80
INPUT							
Rated Voltage (V)	400Vac three-phase+N						
Voltage Range	±20%						
Frequency Range	45 ÷ 65Hz						
Power Factor	>0.9 in HT CLEAN version						
Distortion of The Current Absorbed	<0.5% in HT CLEAN version						
Soft Start	0-100% in 10"						
BY PASS							
Rated voltage (V)	400Vac three-phase						
Permitted Voltage Range	±15% (selectable from ±10% to ±25% from front panel)						
Rated Frequency	50/60Hz auto sensing						
Permitted Frequency Range	±2% (selectable from ±1% to ±5% from front panel)						
Standard Features	Back Feed protection; separate bypass line						
BATTERIES							
Type	Maintenance-free lead-acid VRLAAGM/GEL; NiCd						
Maximum Recharge Current (A)	0.2×C10						
RECTIFIER OUTPUT							
Maintenance Voltage	Variable acc.to temperature (-0.5V×°C)						
Ripple	<1%						
INVERTER OUTPUT							
Rated Power (KVA)	10	15	20	30	40	60	80
Rated Voltage (KW)	8	12	16	24	32	48	64
Number of Phases	3+N						
Rated Voltage (V)	400						
Rated Current (A)	14	22	29	43	58	87	115
Regulation of The Output Voltage	348 ÷ 424V (from control panel)						
Crest Factor (I _{peak} /I _{rms})	3:1						
Waveform	Sinewave						
Static Stability	±1%						
Dynamic Stability	±5% in 5ms						
Frequency	50/60Hz configurable						
Overload	110%/125%/150% of the rated current for 5h/10'/1'						
Frequency Stability	±0.05% on mains failure; ±2%(selectable from ±1% to ±5% with mains supply present)						

Technical Specifications:

MODELS	HT10	HT15	HT20	HT30	HT40	HT60	HT80
POWER (KVA)	10	15	20	30	40	60	80
ENVIRONMENTAL							
Weight (kg)	210	220	230	282	330	450	555
Dimensions(hwd)(mm)	1200×555×720				1400×800×740		
Remote Signalling	Volt free contacts						
Remote Controls	EPO and Bypass						
Communication	RS232+remote contacts						
Operating Temperature	0°C-40°C						
Relative Humidity	<95% non condensing						
Colour	Light grey RAL7035						
Noise (at 1 meter)	54dBA at 1 m		60dBA at 1 m			62dBA at 1 m	
Protection Rating	IP20						
Efficiency	>90%		>91%		>92%		
Compliance	Safety EN62040-1 EN62040-2 Directives 73/23-93/68-89/336EC EN62040-3						
Internal Batteries	yes	yes	yes	yes	no	no	no
OPTIONS							
Empty Battery Cabinets	×	×	×	×	×	×	×
Parallel Kit	×	×	×	×	×	×	×
LCD-bases Remote Control Panel	×	×	×	×	×	×	×
LED-bases Remote Control Panel	×	×	×	×	×	×	×
MultiCom351	×	×	×	×	×	×	×
MultiCom301	×	×	×	×	×	×	×
Netman101Plus	×	×	×	×	×	×	×
Multi 1/0	×	×	×	×	×	×	×
IRMS Multi-Switch	×	×	×	×	×	×	×
AS/400Interface	×	×	×	×	×	×	×
UPS Remote Contacts Expander	×	×	×	×	×	×	×
UGS-UPS Group Synchronizer	×	×	×	×	×	×	×
PSJ-Power System Joiner	×	×	×	×	×	×	×
MultiCom401	×	×	×	×	×	×	×

Technical Specifications:

MODELS	HT100	HT120	HT160	HT200
POWER (KVA)	100	120	160	200
INPUT				
Rated Voltage (V)	400Vac three-phase+N			
Voltage Range	± 20%			
Frequency Range	45 ÷ 65Hz			
Power Factor	>0.9 in HT CLEAN version			
Distortion of The Current Absorbed	<0.5% in HT CLEAN version			
Soft Start	0-100% in 10"			
BY PASS				
Rated voltage (V)	400Vac three-phase			
Permitted Voltage Range	± 15% (selectable from ± 10% to ± 25% from front panel)			
Rated Frequency	50/60Hz auto sensing			
Permitted Frequency Range	± 2% (selectable from ± 1% to ± 5% from front panel)			
Standard Features	Back Feed protection; separate bypass line			
BATTERIES				
Type	Maintenance-free lead-acid VRLAAGM/GEL; NiCd			
Maximum Recharge Current (A)	0.2 × C10			
RECTIFIER OUTPUT				
Maintenance Voltage	Variable acc.to temperature (-0.5V × °C)			
Ripple	<1%			
INVERTER OUTPUT				
Rated Power (KVA)	100	120	160	200
Rated Voltage (KW)	80	100	120	160
Number of Phases	3+N			
Rated Voltage (V)	400 Three Phase (configurable)			
Rated Current (A)	145	174	230	290
Regulation of The Output Voltage	348 ÷ 424V (configurable from control panel)			
Crest Factor (I _{peak} /I _{rms})	3:1			
Waveform	Sinewave			
Static Stability	± 1%			
Dynamic Stability	± 5% in 5ms			
Frequency	50/60Hz configurable			
Overload	110%/125%/150% of the rated current for 5h/10'/1'			
Frequency Stability	± 0.05% on mains failure; ± 2% (selectable from ± 1% to ± 5% with mains supply present)			

Technical Specifications:

MODELS	HT100		HT120		HT160		HT200	
POWER (KVA)	100		120		160		200	
ENVIRONMENTAL								
Weight (kg)	650		750		950		1100	
Dimensions(hwd)(mm)	1400×1070×740						1800×1420×740	
Remote Signalling	Volt free contacts							
Remote Controls	EPO and Bypass							
Communication	RS232+remote contacts							
Operating Temperature	0°C-40°C							
Relative Humidity	<95% non condensing							
Colour	Light grey RAL7035							
Noise (at 1 meter)	65dBA							
Protection Rating	IP20							
Efficiency	>93%							
Compliance	Safety EN62040-1 EN62040-2 Directives 73/23-93/68-89/336EC EN62040-3							
Internal Batteries	no		no		no		no	
OPTIONS								
Empty Battery Cabinets	×	×	×	×	×	×	×	×
Parallel Kit	×	×	×	×	×	×	×	×
LCD-bases Remote Control Panel	×	×	×	×	×	×	×	×
LED-bases Remote Control Panel	×	×	×	×	×	×	×	×
MultiCom351	×	×	×	×	×	×	×	×
MultiCom301	×	×	×	×	×	×	×	×
Netman101Plus	×	×	×	×	×	×	×	×
Multi 1/0	×	×	×	×	×	×	×	×
IRMS Multi-Switch	×	×	×	×	×	×	×	×
AS/400Interface	×	×	×	×	×	×	×	×
UPS Remote Contacts Expander	×	×	×	×	×	×	×	×
UGS-UPS Group Synchronizer	×	×	×	×	×	×	×	×
PSJ-Power System Joiner	×	×	×	×	×	×	×	×
MultiCom401	×	×	×	×	×	×	×	×

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