



MODEL	PT 20 K
<b>PHASE</b>	3-phase in / 3-phase out
<b>CAPACITY</b>	20 KVA/ 18 KW
<b>INPUT</b>	
Nominal Voltage	3 x 400V (3Ph +N)
Acceptable Voltage Range	+15% or -20%
Frequency	50 / 60 Hz $\pm 5\%$
Total Harmonic Distortion (THDi)	< 1.5% @ 100% load < 2.5% @ 50% load < 6.0% @ 10% load
Current Limitation	High overload: PFC Limit (discharging batteries)
Power Factor	1.0
<b>INVERTER</b>	
Nominal Voltage	3 x 400V (3Ph +N)
Precision	Stationary: $\pm 1\%$ ; Transitory: $\pm 2\%$ (load variations 100-0-100%)
Frequency	50/60 Hz synchronised $\pm 4\%$ With mains absent $\pm 0.05\%$
Max. Synchronisation Speed	$\pm 10$ Hz/s
Waveform	Pure Sinewave
Total Harmonic Distortion (THDv)	< 0.5% (Linear Load) ; < 1.5% (Non-linear Load)
Phase Displacement	120° $\pm 1\%$ (balanced load) ; 120° $\pm 2\%$ (imbalances 50% of the load)
Dynamic Recovery Time	10 ms. at 98 % of the static value
Admissible Overload	125% for 10 min., 150% for 60 s
Admissible Crest Factor	3.4 : 1
Admissible Power Factor	0.7 inductive to 0.7 capacitive
Imbalance Output Voltage @ 100% Unbalanced Load	< 1%
Current Limit	High overload, short-circuit: RMS Voltage Limit ; High Crest-Factor current: Peak Voltage Limit
<b>STATIC BYPASS</b>	
Type	Solid state
Voltage	3x400V (3Ph +N)
Frequency	50/60 Hz
Activation Criterion	Microprocessor control
Transfer Time	Zero
Admissible Overload	400% for 10sec.
Transfer to Bypass	Immediate, for overloads above 150%
Retransfer	Automatic after alarm clear
<b>MAINTENANCE BYPASS</b>	
Type	Without interruption
Voltage	3 x 400V (3Ph +N)
Frequency	50/60 Hz
Overall Efficiency (Line mode)	91.0%
<b>BATTERY</b>	
Built-in Battery Type (2x31)	12V 7Ah
Back-up Time (minutes)	5
Max. Charging Current	23.5 A
<b>PHYSICAL</b>	
Dimension, D x W x H(mm)	770 x 450 x 1100
Net Weight (without batteries) (Kg)	94
Net Weight (w/built-in batteries) (Kg)	249

\* Product specifications are subject to change without further notice



## External Battery Cabinet

BATTERY-12Ah	
Dimensions, D x W x H (mm)	700 x 450 x 1100
Built-in Battery Type	12V 12Ah
Net Weight (Kg)	250
BATTERY-26Ah	
Dimensions, D x W x H (mm)	805 x 590 x 1320
Built-in Battery Type	12V 26Ah
Net Weight (Kg)	710
DIY Cabinet	
C32-17Ah	
Dimensions, D x W x H (mm)	780 x 880 x 1190
Built-in Battery Type	12V 17Ah
Net Weight (Kg)	45

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\* Battery cabinet types of C16 to CH64-100 are DIY-made battery cabinets.