

TPTTTF Tower Online UPS



- True double-conversion
- DSP technology guarantees high reliability
- Output power factor 0.8 (**0.9 optional**)
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- **Optional** parallel operation
- Smart battery charger design to optimize perf.
- Maintenance bypass available
- Adjustable battery design
- Adjustable charging current only for $\geq 100K$
- **Optional** 10" touch LCD only for $\geq 100K$

MODEL		TTTF 10k	TTTF 15k	TTTF 20k	TTTF 30k	TTTF 40k	TTTF 60k	TTTF 80k	TTTF 100k	TTTF 120k	TTTF 160k	TTTF 200k
PHASE		3 phase in / 3 phase out										
CAPACITY	kVA	10	15	20	30	40	60	80	100	120	160	200
	kW	8	12	16	24	32	48	64	80	96	128	160
Input												
Nominal voltage		3 x 380VAC/400VAC (3φ + N)										
Voltage range		285 – 485VAC										
Frequency		50/60Hz ±10%										
Inverter												
Nominal voltage		3 x 380VAC/400VAC (3φ + N)										
Precision		Stationary: ±1%; transitory: ±5% (load variations 100-0-100%)										
Frequency		50/60Hz ±1%; without mains ±0.1Hz										
Max. synchronisation speed		±1Hz/s										
Waveform		Pure sinewave										
THDu		< 2% linear load; <5% non-linear load										
Phase displacement		120° ±1% (balanced load); 120° ±2% (imbalances 50% of the load)										
Dynamic recovery time		3 cycles at 90% of the static value										
Overload		110% for 10min; 150% for 60sec; >160% for 200ms										
Crest factor		3:1										
Power Factor		0.6-1 (inductive or capacitive)										
Imbalance output voltage @ 100% unbalanced laod		<1%										
Current limit		High overload, short circuit: RMS voltage limit; high crest-factor current: peak voltage limit										
Static bypass												
Type		Solid state										
Voltage		3 x 380VAC/400VAC (3φ + N)										
Frequency		50/60Hz										
Activation criterion		Microprocessor control										
Transfer time		0s										
Overload		150% for 1h; 180% for 30sec; >200% for 200ms										

Transfer time		Immediate for overloads above 160%										
Retransfer		Automatic after alarm clears										
Maintenance bypass												
Type		Without interruption										
Voltage		3 x 400VAC (3φ + N)										
Frequency		50/60Hz										
Efficiency	AC mode	89%	90%	91%	92%							
	Batt mode	90%	91%	92%	93%							
Battery and charger												
Type		12VDC										
Quantity		29-32pcs adjustable										
Nominal battery voltage		384VDC (based on 32pcs)										
Charging method		CC/CV										
Charging current		10A; max: KW/batt voltage		10A; max 40A; 5A @ full load								
Charging voltage		432VDC (based on 32pcs)										
Physical												
Dimension DxWxH (mm)		656x405x817		656x405x941		821x432x1159		975x554x1286		975x 554x 1326	1051x705x1646	
Net weight (kg)		118	120	145	193	278	365	471	573	650	760	790

PowerMe reserves the right to modify technical specifications without prior notice.

PowerME recommends the use of energy-efficient and environmentally friendly solutions, when used correctly and in accordance with the specifications stated in the technical data sheets and user manuals. Warranty coverage is subject to proper usage as described in those documents.

PowerME also recommends compliance with all applicable regulations and safety standards regarding professional qualifications and workplace safety during installation, commissioning, and maintenance of the provided technological solutions.