



- ⬇ True double-conversion CE Mark
- ⬇ DSP technology guarantees high reliability
- ⬇ Output power factor 1
- ⬇ Active power factor correction in all phases
- ⬇ 50Hz/60Hz frequency converter mode
- ⬇ ECO mode operation for energy saving
- ⬇ Emergency power off function (EPO)
- ⬇ Parallel operation N+X
- ⬇ Smart battery charger
- ⬇ Maintenance bypass available
- ⬇ SNMP communication & shut down software
- ⬇ High efficiency for energy saving
- ⬇ ROHS Compliant

Model	TPTT 1						
	10K	15K	20K	30K	40K	60K	80K
PHASE	3-phase in/3-phase out						
CAPACITY	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW	80KVA/80KW
<b>INPUT</b>							
Nominal Voltage	3 x 400 VAC (3 Ph+N)						
Voltage Range	190-520 VAC (3-Phase) @ 50% Load; 305-478 VAC (3-Phase) @ 100% Load						
Frequency Range	46~54 Hz or 56~64 Hz						
Power Factor	≥ 0.99 @ 100% Load						
<b>OUTPUT</b>							
Output Voltage	3 x 360*/380/400/415 VAC (3 Ph+N)						
AC Voltage Regulation (Batt. Mode)	± 1%						
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz						
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz						
Current Crest Ratio	3:1 (max.)						
Harmonic Distortion	≤ 2 % THD (Linear Load); ≤ 4 % THD (Non-linear Load)						
Transfer Time	AC Mode to Batt. Mode	Zero					
	Inverter to Bypass	Zero					
Waveform (Batt. Mode)	Pure Sinewave						
Overload	AC Mode	100-110% for 10 min, 110-130% for 1 min, >130% for 1 second					
	Battery Mode	100-110% for 30 seconds, 110-130% for 10 seconds, >130% for 1 second					
Parallel Capacity	up to 3 units in parallel						
<b>EFFICIENCY</b>							
AC Mode	≥95.5%						
ECO Mode	<b>98.5%</b>						
Battery Mode	≥94.5%						

BATTERY						
Standard Model	Typical Type	12 V SLA AGM				N/A
	Numbers	(10+10) pcs x 1 strings		(16+16) pcs x 2 strings		
	Typical Recharge Time	9 hours recover to 90% capacity				
	Charging Current (Max.)	1A/12A (Adjustable)				
	Charging Voltage	+/-136.5VDC +/- 10%		+/-218VDC +/- 10%		
INDICATORS						
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
PHYSICAL						
Standard Model	Dim, DxWxH (mm)	626x250x750		815 x 300 x 1000		N/A
	Net Weight (kgs)	125	140	225	250	
ENVIRONMENT						
Operation Temperature		0-40 °C				
Operation Humidity		< 95% and non-condensing				
Noise Level		Less than 55dB @1 Meter 10K ; Less than 58dB @1Meter 15&20K ; Less than 65dB @1 Meter 30K Less than 70dB @1 Meter 40&60K Less than 75dB @1 Meter 80K				
MANAGEMENT						
Smart RS-232/USB		Supports Windows family, Linux and MAC				
Optional SNMP		Power management from SNMP manager and web browser				
STANDARD REFERENCE						
Topology		VFI-SS-111 ref. EN 62040-3				
SAFETY and EMC		EN 60950 EN 62040-1 dir. 2006/95/EL; EMC: EN 62040-2 dir. 2006/95/CE				

#### Prescrizioni di utilizzo

**PowerME** , raccomanda l'utilizzo di soluzioni efficienti dal punto di vista energetico ed a basso impatto ambientale, utilizzate correttamente ed in conformità con le prescrizioni indicate sulle schede tecniche e contenute nei manuali di istruzione. La garanzia è soggetta all'uso corretto dei prodotti, in conformità con le prescrizioni indicate sulle schede tecniche e contenute nei manuali di istruzione.

#### Raccomandazioni

**PowerME** , raccomanda il rispetto delle normative e delle prescrizioni vigenti in materia di idoneità tecnico-professionale e sicurezza sul lavoro in fase di installazione, attivazione e manutenzione delle soluzioni tecnologiche fornite.