



- ⬇ True double-conversion
- ⬇ 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)
- ⬇ Optional parallel operation
- ⬇ Smart battery charger design to optimize battery perf.
- ⬇ Maintenance bypass available
- ⬇ Adjustable battery design
- ⬇ High efficiency for energy saving

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
	INPUT							
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						
	OUTPUT							
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 parellel						
	EFFICIENCY							
AC Mode		≥95.5%						
ECO Mode		98.5%						
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%	
Long-run Model	Battery Type	Suitable to the application		
	Numbers	20pcs	32~40 pcs (Adjustable)	32~40 pcs (Adjustable)
	Charging Current (Max.)	1A/12A (Adjustable)	2A/24A (Adjustable)	2A/24A (Adjustable)
	Charging Voltage	+/- 13.65V x N (N=16~20)		

INDICATORS

LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
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PHYSICAL

Standard Model	Dim, DxWxH (mm)	626x250x750		815 x 300 x 1000		N/A	
	Net Weight (kgs)	125	140	225	250		
Long-run Model	Dim, DxWxH (mm)	626x250x750		815 x 300 x 1000		790 x 360 x 1010	
	Net Weight (kgs)	30	45	60	61	108	113

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 2000/2003/XP/Vista/2008, Windows 7/8/10, Linux and MAC
Optional SNMP	Power management from SNMP manager and web browser

