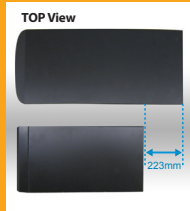


Combo



- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.8
- Standard backup UPS and long backup UPS in one integrated unit
- Adjustable charging current via LCD or software (0.5A~6A)
- Wide input voltage range (110-300 VAC)
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- 3-stage extendable charging design for optimized battery performance
- Maintenance bypass available
- SNMP/USB/RS-232 communications



S E R V I C E

Combo Online UPS Selection Guide

MODEL	Combo 6K(L)	Combo ISO 6KL	Combo 10K(L)	Combo ISO 10KL	
PHASE	Single phase with ground				
CAPACITY	6000 VA / 4800 W		10000 VA / 8000 W		
INPUT					
Nominal Voltage	208/220/230/240VAC				
Voltage Range	176-300 VAC at 100% Load ; 110-300 VAC at 50% Load				
Frequency Range	46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz				
Power Factor	≥ 0.99 @ 100% Load				
OUTPUT					
Output Voltage	208/220/230/240VAC				
AC Voltage Regulation	± 1%				
Frequency Range (Synchronized Range)	46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz				
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio	3:1 (max.)				
Harmonic Distortion	≤ 3 % THD (Linear Load), ≤ 6 % THD (Non-linear Load)	≤ 3 % THD (Linear Load), ≤ 7 % THD (Non-linear Load)	≤ 3 % THD (Linear Load), ≤ 6 % THD (Non-linear Load)	≤ 3 % THD (Linear Load), ≤ 7 % THD (Non-linear Load)	
Transfer Time	Bypass to Inverter (Line mode)	Zero			
	Inverter to Bypass (Line mode)	Zero			
Waveform (Batt. Mode)	Pure Sinewave				
EFFICIENCY					
Line Mode	89%	84%	90%	84%	
Battery Mode	88%	83%	89%	83%	
BATTERY					
Standard Model	Battery Type	12 V / 9 AH	N/A	12 V / 9 AH	N/A
	Numbers	16 pcs		16 pcs	
	Typical Recharge Time	9 hours recover to 90% capacity		9 hours recover to 90% capacity	
	Charging Current	Default:1.0 A ± 10%, Max.:2.0A ± 10%		Default:1.0 A ± 10%, Max.:2.0A ± 10%	
	Float Charging Voltage	218.4 VDC ± 1%		218.4 VDC ± 1%	
Long-run Model	Battery Type	Depending on applications			
	Numbers	16-20 (Adjustable)			
	Charging Current	Default:4.0 A ± 10%, Max.:6.0A ± 10%		Default:4.0 A ± 10%, Max.:6.0A ± 10%	
	Float Charging Voltage	273 VDC ± 1% (based on 20 pcs batteries)			
INDICATORS					
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
ALARM					
Battery Mode	Sounding every 4 seconds				
Low Battery	Sounding every second				
Overload	Sounding twice every second				
Fault	Continuously sounding				
PHYSICAL					
Standard Model	Dimension, D x W x H(mm)	369 x 190 x 688	N/A	442 x 190 x 688	N/A
	Net Weight (kgs)	60		75	
Long-run Model	Dimension, D x W x H(mm)	369 x 190 x 318	369 x 190 x 630	442 x 190 x 318	442 x 190 x 630
	Net Weight (kgs)	21	72	23	82
ENVIRONMENT					
Operation Humidity	0-95 % RH @ 0- 40°C (Non-condensing)				
Noise Level	Less than 55dBA @ 1 Meter		Less than 58dBA @ 1 Meter		
MANAGEMENT					
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC				
Optional SNMP	Power management from SNMP manager and web browser				

**Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC.
 ***If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.
 Product specifications are subject to change without further notice