

OPTIMA



- Pure sine wave
- Output power factor 0.9
- Programmable power management outlets
- ECO (Efficiency Corrective Optimizer) operation for energy saving
- Very high efficiency in battery mode
- Boost and Buck AVR for voltage stabilization
- Multiple communications available
- 3-stage smart battery charging control
- Optional HID Power Device USB Port

Optima Line Interactive sine wave UPS Selection Guide

MODEL	OPTIMA 800 T	OPTIMA 1100 T	OPTIMA 1500 T	OPTIMA 2000 T	OPTIMA 2500 T	OPTIMA 3000 T	OPTIMA 5000 T	
CAPACITY	800VA / 720W	1100VA / 990W	1500VA / 1350W	2000VA / 1800W	2500VA / 2250W	3000VA / 2700W	5000VA / 4500W	
INPUT								
Voltage	110/115/120/127 VAC or 208/220/230/240 VAC						208/220/230/240VAC	
Acceptable Voltage Range	81-152 VAC or 162-290 VAC						162-290 VAC	
Frequency Range	60/50 Hz (Auto sensing)							
OUTPUT								
Output Voltage	110/115/120/127 VAC or 208/220/230/240 VAC						208/220/230/240VAC	
Voltage Regulation (Batt. Mode)	±1.5 % (Before battery alarm)							
Frequency Range (Batt. Mode)	50 Hz or 60 Hz ± 1 Hz							
Current Crest Ratio	3:1							
Harmonic Distortion	2% max @ 100% linear load, 5% max @ 100% non-linear load (before low battery alarm)							
Transfer Time	Typical 2-6 ms, 10ms max.							
Waveform (Batt. Mode)	Pure Sinewave							
EFFICIENCY								
ECO Mode	97%							
Buck & Boost Mode	95%							
Battery Mode	≥ 88%, up to 90% @ nominal battery voltage				≥ 89%, up to 91% @ nominal battery voltage for 110/115/120/127 VAC ≥ 91%, up to 92% @ nominal battery voltage for 208/220/230/240 VAC		≥ 91%, up to 92% @ nominal battery voltage	
BATTERY								
Type & Number	12 V/7 Ah x 2	12 V/9 Ah x 2	12 V/7 Ah x 4	12 V/9 Ah x 4	12 V/7 Ah x 6	12 V/9 Ah x 6	12 V/10 Ah x 6	
Charging Current (max.)	1.5 A							
Charging Voltage	27.4 VDC ± 1%		54.8 VDC ± 1%		82.1 VDC ± 1%			
Typical Recharge Time	4 hours recover to 90% capacity							
PROTECTION								
Full Protection	Overload, discharge, and overcharge protection							
INDICATORS								
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault and Low Battery							
ALARM								
Battery Mode	Sounding every 10 seconds							
Low Battery	Sounding every 2 seconds							
Overload	Sounding every second							
Fault	Continuously sounding							
PHYSICAL								
Dimension,DxWxH(mm)	397 x 145 x 220		455 x 145 x 220		421 x 190 x 318			
Net Weight (kgs)	11.7	12.1	17.2	19.7	27.7	29	34.5	
ENVIRONMENT								
Humidity	0-90 % RH @ 0- 40°C (Non-condensing)							
Noise Level	Less than 45dB							
Altitude	0~3000m, 10% de-rating for over 1000m							
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							