

Otima II LiFePO4 Tower



- Pure sine wave
- Boost and Buck AVR for voltage stabilization
- Output power factor 0.9
- Fast battery charger time
- Easy battery replacement design
- Support half-cycle, inductive and PFC equipment
- Long battery lifecycle >2000
- Built-in protection circuit in battery pack with UL 1973 (MH63914) certified
- UN38.3 for battery transportation

Otima II LiFePO4 Battery Tower Line Interactive UPS Selection Guide

MODEL	Otima II LiFePO4 Tower 1K	Otima II LiFePO4 Tower 1.5K	Otima II LiFePO4 Tower 2K	Otima II LiFePO4 Tower 3K
PHASE	Single phase with ground			
CAPACITY	1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT				
Nominal Voltage	100/110/115/120 / 127 VAC or 200/208/220/230/240 VAC			
Acceptable Voltage Range	75-117/81-134/86-139/89-145/102-152 or 150-234/156-243/162-268/170-280/177-290 VAC			
Frequency Range	50/60 Hz \pm 5 Hz (auto sensing)			
Power Factor	\geq 0.99 @ nominal voltage (100% load)			
OUTPUT				
Output Voltage	100*/110/115/120 / 127 VAC or 200*/208*/220/230/240 VAC			
AVR Regulation	200(-13%/+10%)/208(-13%/+10%)/220(-15%/+10%)/230(-15%/+10%)/240(-15%/+10%) VAC 100(-13%/+10%)/110(-16%/+10%)/115(-13%/+10%)/120(-14%/+10%)/127(-12%/+10%) VAC			
Voltage Regulation (Batt Mode)	\pm 1.5% (before battery alarm)			
Frequency Range (Batt. Mode)	50 Hz or 60 Hz \pm 0.1 Hz (Auto sensing AC input)			
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				
AC Mode	97% @ full charged battery			
AVR Regulation	95% @ full charged battery			
Battery Mode	89%	91%	91%	92%
BATTERY				
Battery Type **	LiFe 247500	LiFe 485000	LiFe 485000	LiFe 722500
Battery Lifecycle	>2000			
Single Cell Type	LFP 26650P-260			
Battery Numbers**	1	1	2	3
Battery Cell Configuration	8S3P	15S2P	(15S2P) x 2	(24S1P) x 3
Battery Voltage	25.6V	48V		76.8V
Battery VAH (Factory Setting)	7.5Ah	5Ah	10Ah	7.5Ah
Autonomy Time @ Full Load	9.5 minutes	8 minutes	12 minutes	9.5 minutes
Charging Voltage	28VDC \pm 1%	52.5VDC \pm 1%	52.5VDC \pm 1%	84VDC \pm 1%
Charging Mode	2 stage charging management(CC-CV)			
Charging Current	3A			
Typical Recharge Time	1.5 hours recover to 90% capacity			
PHYSICAL				
Dimension,DxWxH(mm)	397 x 158 x 220		480 x 158 x 220	590 x 190 x 318
Net Weight (kgs)	11.1	12.7	17.7	22.9
ENVIRONMENT				
Operating Humidity	20-95 % RH @ 0- 40°C (non-condensing)			
Noise Level	Less than 45dBA	Less than 45dB@Line mode, Less than 55dB@Battery mode		
MANAGEMENT				
Smart RS-232,USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC			
SNMP	Power management from SNMP manager and web browser			
STANDARD				
EMC/Safety	CE (EMC: EN62040-2 C2) for HV models, FCC (Class A) for LV models, Battery Pack comply to UL1973			

*Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.

**Battery type and numbers can be adjusted upon customer's request.

Product specifications are subject to change without further notice