

Compact 1U



- Compatible to lithium-ion battery
- True double conversion online topology
- Microprocessor control optimizes reliability
- Output power factor 0.9 (1K PF=0.8)
- 1U compact size perfect fits for data processign and transmission such as servers, networking and IP telephone services
- Converter mode available via software setting
- ECO mode for energy saving
- Built-in serial communication port/Dry contact
- Emergency power off function (EPO)

Compact 1U Online UPS Selection Guide

MODEL	Compact 1U 1K		Compact 1U 1KL	Compact 1U 1.5K	Compact 1U 2K	Compact 1U 3K	Compact 1U 3KL
CAPACITY	1000 VA / 800 W		1000 VA / 800 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W	3000 VA / 2700 W
INPUT							
Voltage	110/120 VAC or 220/230/240 VAC		220/230/240 VAC	110/120 VAC or 220/230/240 VAC			220/230/240 VAC
Voltage Range	55-150 VAC or 110-300 VAC @ 50% load 80-150 VAC or 160-300 VAC @ 100% load		110-300 VAC @ 50% load 160-300 VAC @ 100% load	55-150 VAC or 110-300 VAC @ 50% load 80-150 VAC or 160-300 VAC @ 100% load			110-300 VAC @ 50% load 160-300 VAC @ 100% load
Frequency Range	40Hz ~ 70Hz						
Power Factor	≥ 0.99 @ nominal voltage (100% load)						
OUTPUT							
Output Voltage	110/120 VAC or 220/230/240 VAC		220/230/240 VAC	110/120 VAC or 220/230/240 VAC			220/230/240 VAC
Voltage Regulation	± 1%						
Frequency Range (Synchronized Range)	57 ~ 63 Hz or 47 ~ 53 Hz						
Frequency Range (Batt. Mode)	60 Hz or 50 Hz ± 0.3 Hz						
Current Crest Ratio	5:1 (110/120 VAC) 3:1 (220/230/240 VAC)		3:1	5:1 (110/120 VAC) 3:1 (220/230/240 VAC)			3:1
Harmonic Distortion	≤ 3 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)						
Transfer Time	Zero						
AC Mode to Battery Mode							
Inverter to Bypass	≤ 4 ms (Typical)						
Waveform (Batt. Mode)	Pure Sinewave						
EFFICIENCY							
AC Mode	86%			92%	93%	94%	94%
ECO Mode	95%			96%	96%	96%	96%
Battery Mode	83%			90%	90%	91%	91%
BATTERY							
Battery Type	Lithium-ion battery	Sealed Lead-acid battery	Lithium-ion battery or Sealed Lead-acid battery	Lithium-ion battery	Lithium-ion battery	Lithium-ion battery	
Battery Voltage	25.6 VDC	24 VDC	48 VDC	38.4 VDC	48VDC	48VDC	48VDC
Battery Spec & Numbers	25.6V/6Ah x 1	6V/9Ah x 4	Depending on external battery capacity	38.4 V / 6Ah x 1	48V/5Ah x 1	48 V / 5Ah x 1 (Additional battery pack expandable)	Depending on external battery capacity
Typical Recharge Time	6 hours recover to 90% capacity	9 hours recover to 90% capacity		4 hours recover to 90% capacity	3.5 hours recover to 90% capacity	2 hours recover to 90% capacity	
Charging Current	1A		6A	1.5A	1.5A	2.5A/5A/7.5A (adjustable via BMS)	
INDICATORS							
LED	AC mode, Battery mode and fault indicators						
ALARM							
Battery Mode	Sounding every 4 seconds						
Low Battery	Sounding every second						
Overload	Sounding twice every second						
Fault	Continuously sounding						
PHYSICAL							
Dimension,DxWxH(mm)	477 x 438 x 44		300 x 438 x 44	509 x 438 x 44	583 x 438 x 44	580 x 438 x 44	580 x 438 x 44
Net Weight (kgs)	12.4	12.6	6	12.4	12	18	12.4
ENVIRONMENT							
Humidity	20-90 % RH @ 0- 50°C (non-condensing)		20-90 % RH @ 0- 55°C (non-condensing)	20-90 % RH @ 0- 50°C (non-condensing)			
Noise Level	Less than 50dBA @ 1 Meter						
MANAGEMENT							
USB or RS-232	Supports Windows® Family, Linux and MAC						
Optional SNMP	Power management from SNMP manager and web browser						
Dry Contact *	Signal for AC Power Normal, Battery OK and Fault Alarm						

**Only for 1KL model
Product specifications are subject to change without further notice