



ONLINE UPS WITH BATTERY



3 kinds of LCD can be selected



Colourful LCD



Gray LCD



Blue LCD



Battery cabinet
(Optional)



Optimized battery configuration
7Ah/9Ah (12V)

EM 1K Online | EM 2K Online | EM 3K Online



Output
Power Factor 0.9



Generator
Compatible



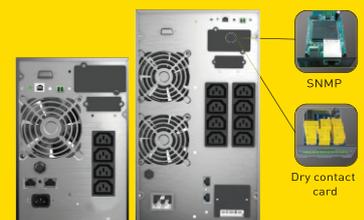
ECO Mode



Emergency
Power off function

Special Features :

- High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Dry contact /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



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MODEL	EM 1K Online		EM 2K Online		EM 3K Online
Capacity	1000VA/ 900W		2000VA/ 1800W		3000VA/ 2700W
INPUT					
Nominal voltage	208/220/230/240Vac				
Input voltage range	110~300Vac (176~280Vac @ 100% load)				
Frequency range	40~70Hz (50/60Hz Auto-Sensing)				
Power factor	≥ 0.99				
OUTPUT					
Output voltage	208/220/230/240Vac				
Power factor	0.9				
Voltage regulation	±1%				
Output frequency	Line Mode	46~54Hz or 56~64Hz			
	Bat. Mode	(50/60±0.1%)Hz			
Crest factor	3:1				
Harmonic distortion (THDv)	≤ 3% Linear load ≤ 5% Non linear load				
Transfer time	AC mode to Bat.Mode	0ms			
	Inverter to Bypass	4ms (Typical)			
Output waveform	Pure Sinewave				
EFFICIENCY					
AC mode	88%		90%		91%
Battery mode	85%		87%		88%
BATTERY					
Battery number	2	3	4	6	6
Capacity (Standard unit)	9Ah/12V				
Typical recharging time	4 hours (to 90% of full capacity)				
Charging voltage	27.4Vdc±1%	41.1Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	82.2Vdc±1%
Charging current (Max)	1A		1A		1A
INDICATORS					
LED display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault				
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time				
ALARM					
Battery mode	Beeping every 4 seconds				
Battery low	Beeping every second				
Overload	Beeping twice every second				
Fault	Continuously beeping				
PHYSICAL					
Dimension W x D x H (mm)	144 x 399 x 209		191 x 460 x 337		
Net weight (kg)	9.3	12.5	19.5	24.5	24.5
ENVIRONMENT					
Operating temperature	0 ~40				
Storage temperature	-25 ~55				
Humidity range	20~95%RH @ 0~40 (Non condensing)				
Altitude	<1500m,derating required when>1500m				
Noise level	<50dB at 1 Meter				
STANDARDS					
Safety	IEC/EN62040-1,IEC/EN62477-1				
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8				

Specifications are subject to change without prior notice.
When output voltage is 208Vac,need to derate to 80% of the unit capacity.