



Info-Matic Power Sdn Bhd

Modular UPS System

Systems based on 15kVA module

30-120kW

EMPOWER 3C series Lithium Metal Battery



Model: **EC 3C-33-30-15**

Max. Capacity of system: **30KVA**

Configuration: **2 slots**

Power module model: **EM 3C-15**

Power module capacity: **15KVA**

Dimension: **482/442*800*662**(W*D*H)mm, stand alone or embed into standard 19" cabinet



Model: **EC 3C-33-60-15**

Max. Capacity of system: **60KVA**

Configuration: **4 slots**

Power module model: **EM 3C-15**

Power module capacity: **15KVA**

Dimension: **482/442*800*840**(W*D*H)mm, stand alone or embed into standard 19" cabinet



Model: **EC 3C-33-120-15**

Max. Capacity of system: **120KVA**

Configuration: **8 slots**

Power module model: **EM 3C-15**

Power module capacity: **15KVA**

Dimension: **482/442*800*1195**(W*D*H)mm, stand alone or embed into standard 19" cabinet

EM 3C-15 Module Data

Phase	Charging current	Max Charging Power	Max heat dissipation	Input PF	Input THDI	Dimension (W*D*H)mm	Weight
3/3	3A	1.8kW	450W	≥ 0.99	< 3%	422/380*590*86	16kg

UPS SYSTEM TECHNICAL SPECIFICATION



Model		EC-3C 33-30-15	EC 3C- 33-60-15	EC-3C 33-120-15
System Capacity (kVA/kW).		30 kVA/kW	60 kVA/kW	120 kVA/kW
INPUT				
Phase		3Ph+N+PE		
Nominal Input Voltage		380V/220VAC, 400V/230VAC, 415V/240VAC		
Input Voltage Range		132- 276 VAC, (If 132-176VAC, 50% load max.)		
Input Frequency		40-70Hz		
Power Woke-in		60sec		
THDI		< 3%		
Power Factor		≥ 0.99		
Bypass Voltage Range		± 20%		
Bypass Frequency Range		50/60 ± 10%		
Bypass synchronization tracking range		50/60 ± 4%		
Output				
Power Factor		1.0		
Nominal Output Voltage		380V/220VAC, 400V/230VAC, 415V/240VAC		
Output Frequency Range		50/60 ± 0.5HZ		
Frequency Tracking Range		50/60 ± 10%		
Overload Ability		10 minutes at 125%		
Output Voltage THD		≤ 2% (Linear load), ≤ 4% (Non-linear load)		
Output Voltage Tolerance		≤ ±1%		
Voltage Recovering Time		≤ 20ms		
Transfer From Mains to Battery Supply		0ms		
Efficiency		Up to 96.5% in Double conversion mode, Up to 99% in ECO mode, Up to 99.5% in iECO mode		
Battery				
Battery Rated Voltage		± 240V DC		
Battery Voltage Range		± 168V DC~ ± 320V DC		
VRLA Battery		40 (Range 32-44)		
Access to Lithium-ion Battery		Standard		
Environmental				
Operating Temperature		-5℃ ~40℃		
Operating Relative Humidity		≤ 95%, non-condensation		
Noise		≤ 60 dB		
Altitude		5000 m, derating if 1000 above		
Protection Class		IP20		
Others				
Parallel Configuration		Up to 4 units (N+1)		
EPO		Support		
Communication		RS232/RS485, CAN, USB, Dry contact, SD Card as standard. MODBUS, SNMP (optional)		
Safety Compliance		IEC/EN 62040-1, IEC/EN 60950-1		
EMC Compatibility & Performance		IEC/EN 62040-2, IEC/EN 62040-3		
Dimension (W*D*H)mm	Standard (1*breaker)	482/442*800*662	482/442*800*840	482/442*800*1195
	Optional (4 breakers)			482/442*800*1500
Weight (kg)		72	82	108