

EMPOWER IIC series Lithium Metal Battery

EM IIC 3350 module



EMPOWER IIC 33200-50

- Max. Capacity of system : 200kVA
- Configuration : 4 Slots
- Power module model : EM IIC 3350
- Max. Capacity of system : 50kVA
- Dimension : 600*1000*2000(W*D*H)mm, standard 19" cabinet

EMPOWER IIC 33300-50

- Max. Capacity of system : 300kVA
- Configuration : 6 Slots
- Power module model : EM IIC 3350
- Max. Capacity of system : 50kVA
- Dimension : 900*1000*2000(W*D*H)mm, standard 19" cabinet

EMPOWER IIC 33400-50

- Max. Capacity of system : 400kVA
- Configuration : 8 Slots
- Power module model : EM IIC 3350
- Max. Capacity of system : 50kVA
- Dimension : 900*1000*2000(W*D*H)mm, standard 19" cabinet

EMPOWER IIC 33500-50

- Max. Capacity of system : 500kVA
- Configuration : 10 Slots
- Power module model : EM IIC 3350
- Max. Capacity of system : 50kVA
- Dimension : 1200*1000*2000(W*D*H)mm, standard 19" cabinet

EM IIC 3350 Module Data

Phase	Charging current	Max Charging Power	Max heat dissipation	Input PF	Input THDI	Dimension (W*D*H)mm	Weight
3/3	10A	6kW	1500W	≥ 0.99	< 3%	482/442*622*129	30kg

UPS SYSTEM TECHNICAL SPECIFICATION

Model		Empower IIIC 33200-50	Empower IIIC 33300-50	Empower IIIC 33400-50	Empower IIIC 33500-50
System Capacity (kVA/kW).		200 kVA/kW	300 kVA/kW	400 kVA/kW	500 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 mod , 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		≤ 70dB			
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)	600*1000*1600	900*1000*2000	900*1000*2000	1200*1000*2000
	Optional (4 breakers)			1200*1000*2000	
Weight (kg)		220	300	340	380