



AUTOMATIC CHANGEOVER WITH CURRENT LIMITER

The best solution for frustrating manual **source changeovers**.

IMPROVED CONVENIENCE OF AUTOMATIC SOURCE CHANGEOVER.

- Microprocessor based ACCL with current limiter
- Intelligent tripping: inverse curve (Higher the overload, faster the trip)
- Inbuilt display of A, V, F, Wh, kWh
- Under/over voltage protection for EB and DG (M300)
- Single phase contactor based ACCL with off-load switching
- On site field programmable features in single phase ACCL through configurator (ACCL 400 & 400C)

PROTECTION OF EQUIPMENT FROM HAZARDOUS POWER SURGES.

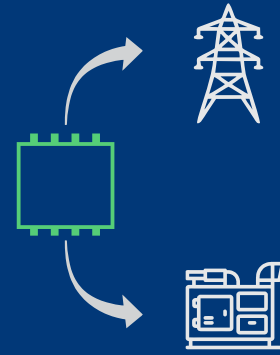
- Conformity standard as per IEC 60947-6-1
- Wide range of operational voltage (180-270)VAC
- Optional prepaid billing feature for DG (RS-485) with software
- More than 20000 operations
- Display of overload information for both EB and DG, along with phase indication.

RUGGED DESIGN FOR MAXIMUM PERFORMANCE AND RELIABILITY.

- Installation is done as DIN rail for single phase and surface mountable for 3 phase (Optional DIN rail for 3 phase up to 40A).
- Eco friendly thermoplastic and fire retardant enclosure.
- More than 20000 operations.
- Reason for trip is displayed.
- RS 485 communication. (Optional)
- Protection against neutral current flow beyond threshold.



FOR A SEAMLESS, CHANGEOVER BETWEEN POWER SOURCES.



Features

Three Phase ACCL

iACCL M300, M330



- Micro controller based automatic source changeover with neutral isolation
- Intelligent re-connection once trip occurs, either due to over voltage or over load
- Energy, Current, Voltage measurement for DG & Current, Voltage measurement for EB (M300)
- Intelligent tripping: Inverse curve (Higher the overload faster the trip)
- Conformity standard as per IEC 60947-6-1
- Manual reset provision when in sleep mode for restoring power supply Or through the mobile app when network is available
- Intelligent changeover with R phase or any one phase failure (Manufacturing option)
- Under/Over voltage and single phase missing & Overload protection for EB and DG(M300)
- Programmable threshold setting for both sources independently

Single Phase ACCL

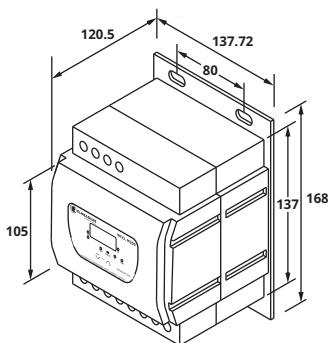
iACCL 400, 400C, M400,



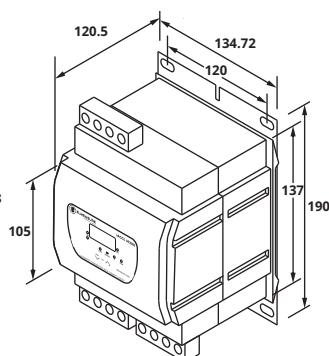
- Under and Over Voltage protection when load is running on DG
- Protect DG with Staggered Delay and Inverse curve Protection
- Reduced wiring complexity and installation time- Terminal 16mm capacity
- Programmable DG current limiting features on site through configuration tool
- EB/DG Input source Interchangeability
- Field configuration through CFG 400 for iACCL 400/400C

Mechanical Specification

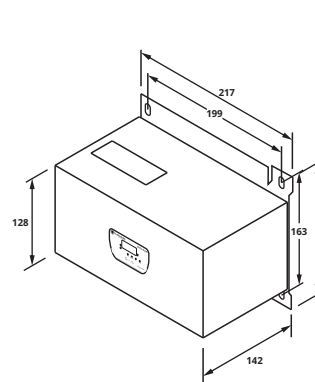
iACCL M300 (32A-40A) | M330 (40A)



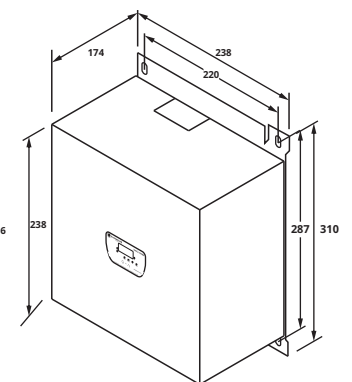
iACCL M300 (63A)



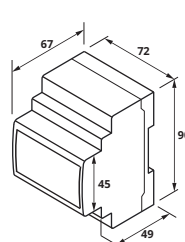
iACCL M300 (80A)



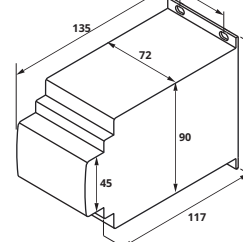
iACCL M300 (100 - 125A)



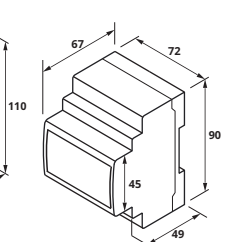
iACCL 400



iACCL 400C



iACCL M400



Technical Specification

	iACCL	400	400C	M400	M300 (40/63A)	M300 (80A)	M300 (100/125A)	M330
ELECTRICAL CHARACTERISTICS								
DC Maximum Current Limit	25/32A			40/63A		80A	100/125A	32/40A
No. of Poles	1P+N			3P+N				EB:3P+N, DG:1+N
Rated Operating Voltage	240V AC			415/240VAC				
Rated Frequency	50Hz							
Utilization Category AC1	25/32A			40/63A	80A	100/125A	40A	
Utilization Category AC3	20/25A			32/40A	63A	80A	32/40A	
Ingress Protection	IP 20 & Double Insulation (As per IEC 61010-1)							
Accuracy	Class 1.0							
PROGRAMMING FEATURES								
Energy Selection	NA			Wh/VAh				
DG Under Voltage	170-210VAC				165-210VAC			
DG Over Voltage	240-270VAC							
DG Maximum Current Limit	25/32A			40/63A	80A	100/125A	40A	
EB Maximum Current Limit				40/63A	80A	100/125A	40A	
DG Transfer Time	1sec - 30sec							
Cycle Time	NA			6sec - 150sec				
No. of Cycles	NA			5 to 10				
DG Selection	NA			DG Output selection				
METERING PARAMETERS								
EB Source	NA			Voltage / Current				
DG Source	Current, Voltage, PF, W, VA, Wh/VAh							
Indication	EB Source, DG Source, Trip, Minus, Communication and Reason for Trip							
COMMUNICATION								
Device ID & Parity	1 to 247 & Odd, Even, None (Preferred Even)							
Protocol & Interface	MODBUS, RTU & Rs485							
Baud Rate	4800 bps to 19200 bps (Preferred 9600 bps)							
Isolation	2000 volts AC isolation for 1 minute between communication & other circuits							
DISPLAY								
Display type				LED 1 Row				
Instantaneous Digits				4				
Integrated Digits				4				
FAULT TRIPPING								
EB Source	NA			Over Current				
DG Source	Over Current, Under/Over Voltage, Phase Missing							
Trip Reset	Reset Key							
MECHANICAL CHARACTERISTICS								
Mounting (Vertical)	DIN-Rail			Surface Mounting				
Outline Dimension in LxWxH mm	90x72x67	110x72x135	90x72x67	168x137x120	186x217x142	310x238x174	168x137x120	
Weight	280 grams	700 grams	300 grams	2.1 kg	4.5 kg	7 kg	2.1 kg	
Torque	1N-m			2N-m	2N-m	2.5N-m	2N-m	
Wire gauge	11 AWG			6 AWG	4 AWG	1 AWG	6 AWG	
STANDARDS								
Compliance	IEC 60947-6-1							
USE ENVIRONMENT CHARACTERISTICS								
Temperature	Ambient: -5 to +55°C, Storage: -25 to +75°C, Operating: -10 to +55°C, Operating Humidity: 5 to 85% RH							
Environment	Class B							
Pollution Degree	2							