



Dynamic Load Balancer Datasheet



3
MODELS

SCALABLE
DESIGN

EFFICIENT
POWER USE

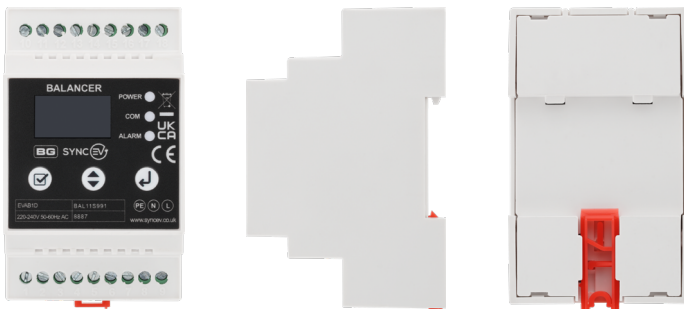
RELIABLE
CHARGING

EASY
INSTALLATION

3 YEAR
WARRANTY

Engineered to integrate with existing building wiring without disruption or downtime and support up to 16 chargers.

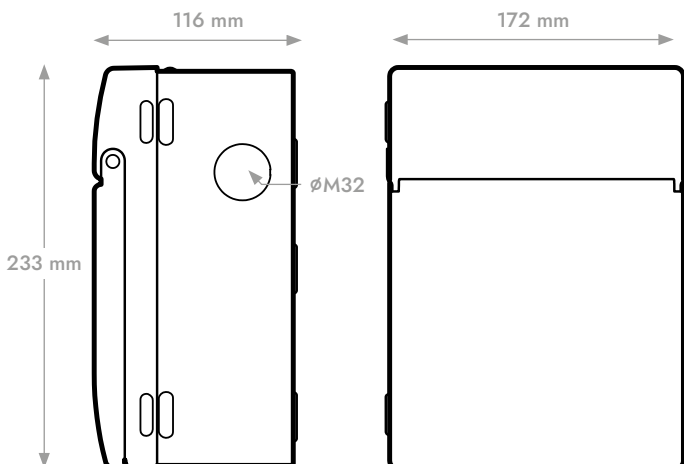
Balancer dynamically monitors available power and communicates with connected chargers to ensure each receives equal power, allowing for easy expansion with additional chargers in the future without exceeding the building's safe power limits.



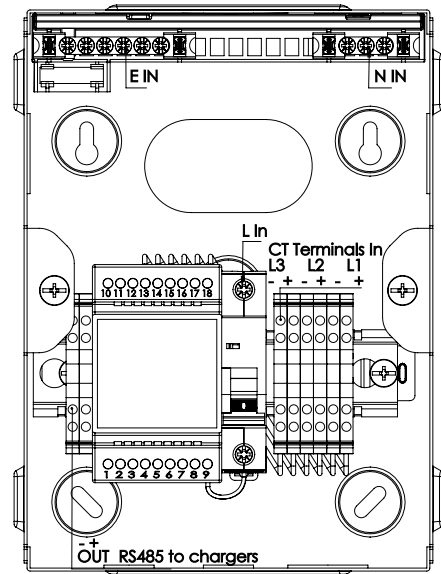
View the full range at [sync-ev.co.uk](https://www.sync-ev.co.uk)

RANGE FEATURES

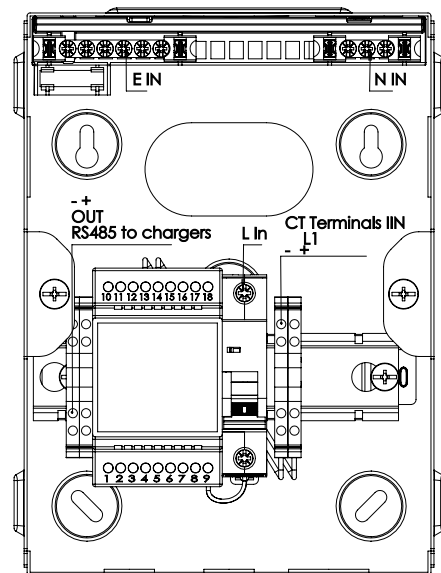
CODES :	EVAB1ETP400 (THREE PHASE UP TO 400A) EVAB1ESP120 (SINGLE PHASE UP TO 120A) EVAB1D (BALANCER ONLY FOR EXISTING DIN RAIL MOUNTING)
ELECTRICAL INPUT :	SINGLE PHASE : 220-240V, 50-60Hz
OVERLOAD AND FAULT PROTECTION :	OVER CURRENT AND FAULT PROTECTION
METER ACCURACY :	2% CLASS C EQUIVALENT INTERNAL METER WITH OPTION FOR CONNECTION TO EXTERNAL RS485 MODBUS METER
UNIT REQUIREMENTS :	SINGLE PHASE SUPPLY TO BALANCER
INDICATOR :	RGB LED AND BUZZER
HOUSING :	1 MM STEEL ST16, RAL 9016 GLOSS WHITE
CUTOUT AND KNOCKOUTS :	TOP/BOTTOM M20 x2 M32 x1, SIDES M32 x1, REAR 37x68MM x1
IP RATING :	IP20
SOC MODULE :	AI ESP32-S SOC
COMMS TO CHARGER :	RS485
BLUETOOTH :	4.2 BR/EDR and BLE
WARRANTY :	3 YEARS
OPERATING TEMP :	-25°C TO +40°C
WEIGHT :	2.28 KG
DIMENSIONS (MM) :	233 (H) x 172 (W) x 116 (D)
SUPPLIED ACCESSORIES :	EVAB1ETP400 SUPPLIED WITH 3 X CT CLAMPS WITH A MEASURING CAPACITY UP TO 400A EVAB1ESP120 SUPPLIED WITH 1 X CT CLAMP WITH A MEASURING CAPACITY UP TO 120A EVAB1D ACCESSORIES SOLD SEPARATELY



EVAB1ETP400



EVAB1ESP120



EVAB1D

