

# BASIC SPLIT ECO & HA

## Data Sheet

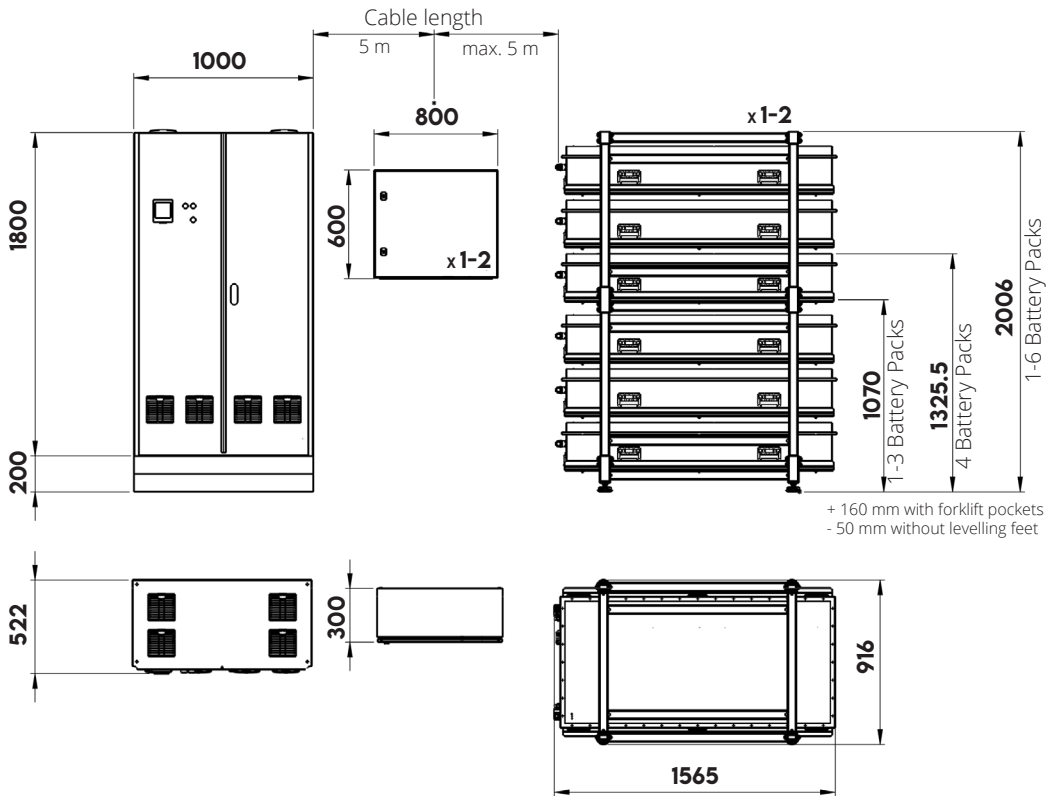


DISCOVER NEW ENERGY

## BASIC SPLIT SERIES - TECHNICAL DATA

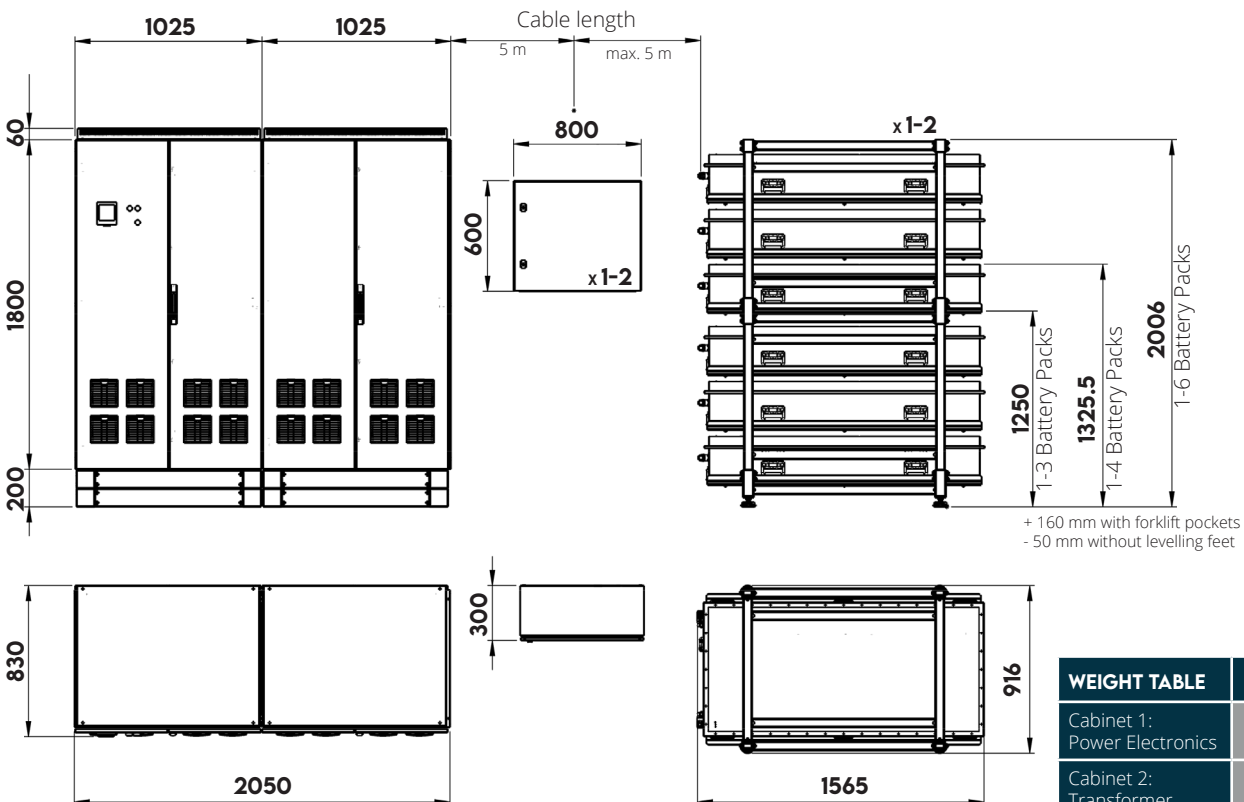
	XPB-B	B35-ECO	B35-HA	B80-HA
Operation	Installation	Indoor		
	Lifting	Power Cabinet: Forklift points and annular nuts for lifting, vertical lifting only Battery-Rack: Forklift		
	Operating Temperature	min. + 5 °C, max. + 35 °C		
	Humidity	max. 90 %, not condensing		
	Max. Altitude	4000 m (with a derating above 2000 m)		
	IP Rating	System: IP 20 Battery Packs: IP 68 (when fully connected)		
AC Connection	Inverter Power	35 kVA (35 kW @ cos phi = 1)	35 kVA (35 kW @ cos phi = 1)	80 kVA (80 kW @ cos phi = 1)
	Transformer	Galvanic isolating Transformer DZn0		
	Switch Function	fully integrated		
	Network Type	TN-S (TN-C) optional: IT		
	Grid Frequency	50 Hz (45-55 Hz)		
	Rated Voltage	230 V P-N/400 V P-P; 3P+N+PE		
	AC Connection	115 A (AC3) / 160 A (AC1)	630 A (AC3) / 800 A (AC1)	
		Limited by the respective connection type   Protection at customer's premises		
	Diesel Generator	up to 80 kVA (AC3) and 138 kVA (AC1)	up to 430 kVA (AC3) and 550 kVA (AC1)	
	Automatic Transfer Switch (ATS)	Optional: external ATS for automatic grid/generator connection for bypass purposes.		
	Connection Type	Fixed connection with saddle clamps (50 mm <sup>2</sup> cable)	Fixed connection with perforated cable lug (M12)	
	Potential Earthing / Grounding	According to local requirements by grounding connection point and by input connection		
Storage	Cell Chemistry	Lithium Iron Phosphate (LiFePO <sub>4</sub> , LFP)		
	Cell Operating Temperature	-10 to +55 °C discharge +5 to +55 °C charge		
	Storing Temperature	0 °C to +35 °C		
	Cell Safety	Over-Current, Over-Temperature, Over-Pressure, Over-Voltage Protection, internally fused (irreversible)		
	Fire Protection	Thermally triggered extinguishing system (N <sub>2</sub> / CO <sub>2</sub> ) in every Battery-Pack		
	Storage Capacity (at 100 % DoD)	70.5-282 kWh expandable in 23.5 kWh modules	117.5-282 kWh expandable in 23.5 kWh modules	117.5-282 kWh expandable in 23.5 kWh modules
	Battery Voltage	Nominal 652 V DC, Range: 585 to 744 V DC		
	Management	xselectrix Power BMS (Battery Management System)		
Communication	Internet	Standard: Internal WAN / Option: LTE		
	Human Interface	Integrated Control Board with Touch Display		
	External EMS	Optional Connection: via Modbus/TCP Interface		
	Monitoring	Standard: xPMon		
	GPS	Optional		
Standards	TOR Erzeuger Typ A:2019-12, OVE R25:2020-03, VDE-AR-N 4105:2018-11, DIN VDE V 0124-100:2020-06, Low Voltage Directive 2014/35/EU, Electromagnetic Compatibility (EMC) 2014/30/EU, EN 61800-2, EN 61800-3, EN 61800-5-1, EN61800-5-2, UN38.3, IEC 62619, IEC 63056.			

## BASIC ECO - DIMENSIONS AND WEIGHT



WEIGHT TABLE	B35-ECO
Cabinet 1: Power Electronics	550 kg
per DC Combiner	90 kg
Battery Rack 1-3 Compartments	300 kg
4-6 Compartments	+350 kg
+ per 20 kWh Battery Pack	280 kg

## BASIC HA - DIMENSIONS AND WEIGHT



WEIGHT TABLE	B35-HA	B80-HA
Cabinet 1: Power Electronics	550 kg	550kg
Cabinet 2: Transformer	670 kg	1100 kg
per DC Combiner	90 kg	90 kg
Battery Rack 1-3 Compartments	300 kg	300 kg
4-6 Compartments	+350 kg	+350 kg
+ per 20 kWh Battery Pack	280 kg	280 kg

BASIC ECO and BASIC HA battery inset on the broad side.



**PARALLEL PLATFORM TECHNOLOGY**

The ability of the power box to be combined with different energy sources and to sum up their combined power outputs.

**HEALTH STATUS MONITORING**

Ensuring efficient system functions at all times.

**BACKUP POWER**

Island and emergency power system for high outputs up to 150 kW.

**BATTERY EXPANSION**

Expandable Storage Capacity to suit your needs.

**HIGH AMPS**

Highest through put in the industry with up to 630 A input and 950 A output.

**SAFETY**

Highest safety standards on cell, module and unit level.

**SPEED**

Fastest reaction times (< 500 ms) through NAM Technology, suited for Fast Frequency Response application.

**GENERATOR HYBRIDIZATION**

Optimization of fuel consumption and running time.



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