



# BASIC SPLIT ECO & HA

## Data Sheet

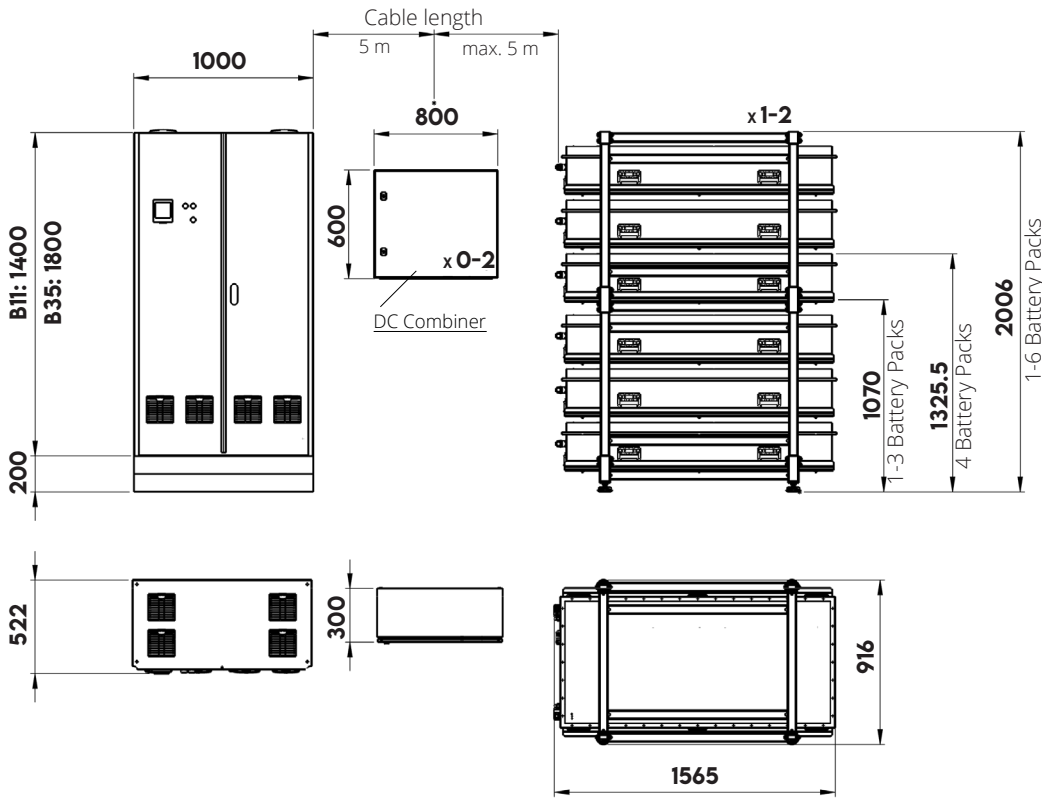


ENERGY. ANYTIME. ANYWHERE.

# BASIC SPLIT SERIES - TECHNICAL DATA

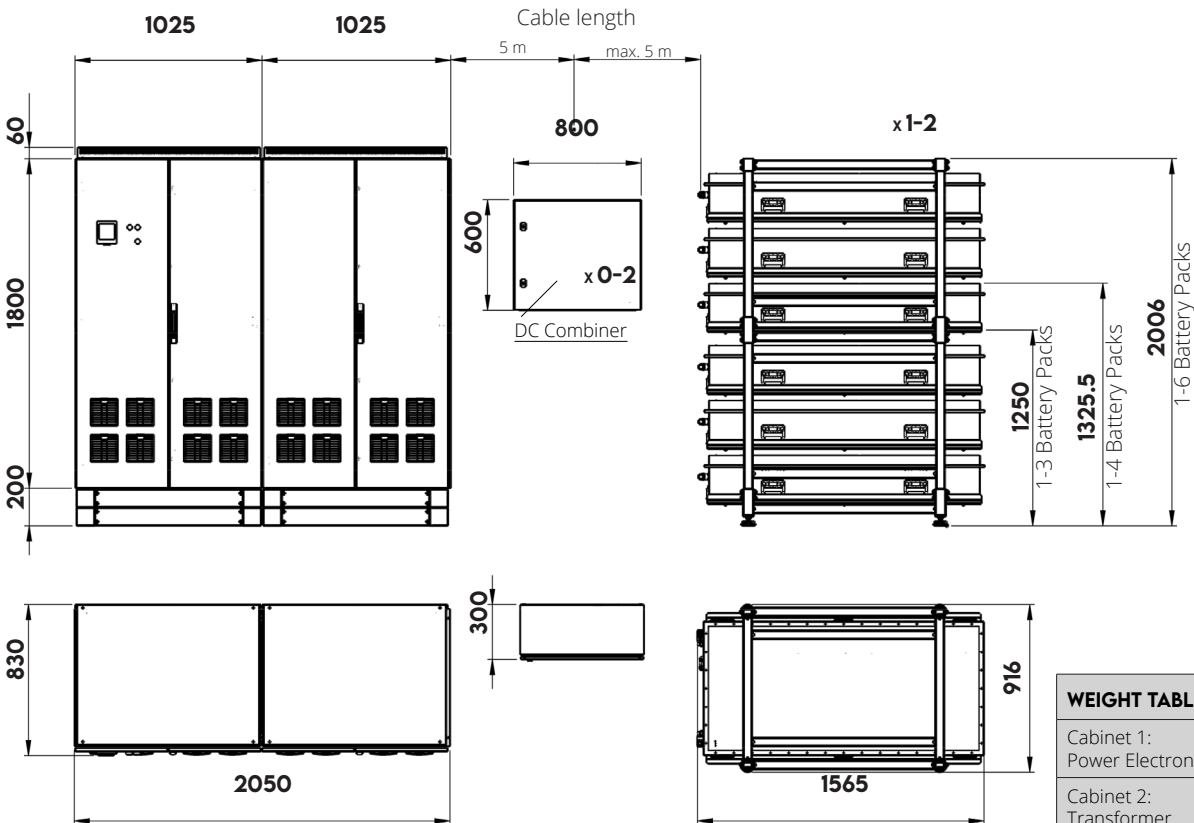
XPB-B		B11-ECO	B35-ECO	B35-HA	B80-HA
Operation	Installation	Indoor			
	Lifting	Power Cabinet: forklift points and annular nuts for lifting, Battery Pack: forklift and positioning handels			
	Ambient Temperature	min. +10 °C, max. +30 °C			
	Humidity	max. 90 %, not condensing			
	Altitude	max. 4000 m (with a derating above 2000 m)			
	IP Rating	System: IP 20   Battery Packs: IP 68 (when fully connected)			
AC Connection	Inverter Power	11 kVA (11 kW @ cos phi = 1)	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	63 A	115 A (AC3) / 125 A (AC1)	630 A (AC3) / 800 A (AC1)	
		Limited by the respective connection type   Protection at customer's premises			
	Diesel Generator	3-phase, frequency stable up to 63 kVA	3-phase, frequency stable up to 110 kVA (AC1)	3-phase, frequency stable up to 550 kVA (AC1)	
	Automatic Transfer Switch (ATS)	Optional: external ATS for automatic grid/generator connection for bypass purposes.			
	Connection Type	Fixed connection with terminal block (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 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			
	Gross Storage Capacity (at 100 % DoD)	47 kWh	47-188 kWh	94-188 kWh	94-282 kWh
	Net Storage Capacity (at 85 % DoD)	40 kWh	40-160 kWh	80-160 kWh	80-240 kWh
	Battery Voltage	Nominal 652 V DC, Range: 585 to 744 V DC			
	Management	xelectrix Power BMS (active Battery Management System)			
Storing Conditions	Up to 12 months at a temperature of +5 °C to +35 °C with a minimum starting SoC of 90 %				
Communication	Internet	Standard: RJ45 Connector/Port / Option: LTE			
	Human Interface	Integrated Control Board with Touch Display			
	External EMS	Optional: via Modbus/TCP Interface			
	Zero Feed-In	Via communication protocols through external EMS or smart meters			
	Monitoring	xPMon - monitoring and setup platform			
	Signal contacts	2 potential-free relay outputs, 6 GPO outputs, each configurable			
Warranty		10 years performance guarantee of 70 %, see <a href="http://www.xelectrix-power.com/warranty">www.xelectrix-power.com/warranty</a>			
Standards		TOR Erzeuger Typ A:2019-12, OVE R25:2020-03, VDE-AR-N 4105:2018-11, DIN VDE V 0124-100:2020-06, VSE NAV/EEA-NE7 - CH 2020 Type A2, EN 50549-1:2019, SS-EN 50549-1:2019, Low Voltage Directive 2014/35/EU, 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	B11-ECO	B35-ECO
Cabinet 1: Power Electronics	305 kg	550 kg
per DC Combiner	90 kg	90 kg
Battery Rack 3 Battery Slots	160 kg	160 kg
6 Battery Slots	-	250 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 3 Battery Slots	160 kg	160 kg
6 Battery Slots	250 kg	250 kg
+ per 20 kWh Battery Pack	280 kg	280 kg



**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 throughput 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 Reserve application.

**GENERATOR HYBRIDIZATION**

Optimization of fuel consumption and running time.

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