



UNLIMITED M10 & M20

Data Sheet



DISCOVER NEW ENERGY

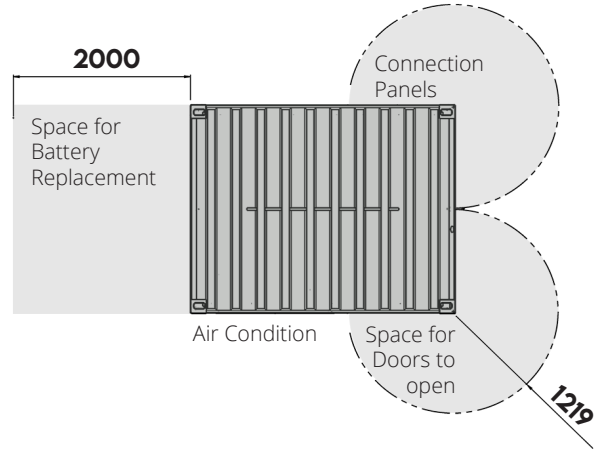
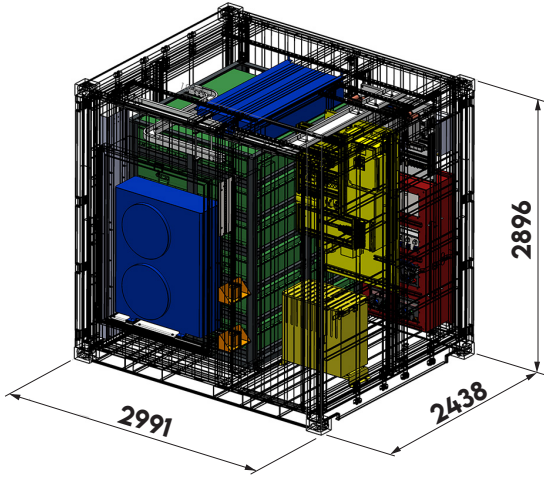
UNLIMITED M10 & M20 - TECHNICAL DATA

		XPB-U	U35	U80	U150	
Operation	Installation	Indoor / Outdoor				
	Lifting	with Forklift or Crane (ISO Lifting Points)				
	Ambient Temperature	-20 °C to +35 °C, with Tropical Option up to +45 °C				
	Max. Humidity	90 % not condensing				
	Max. Altitude	4000 m (with a derating above 2000 m)				
	Noise Emission	max. 72 dB				
	IP Rating	System: IP 54 Battery Packs: IP 68 (when fully connected)				
AC Connection	Inverter Power		35 kVA (35 kW @ cos phi = 1)	80 kVA (80 kW @ cos phi = 1)	150 kVA (150 kW @ cos phi = 1)	
	Transformer	Galvanic isolating Transformer DZn0 Optional: DZn0/Zn0 ¹				
	Switch Function	fully integrated				
	Grid Network	TN-S (TN-C, IT)				
	Grid Frequency	50 Hz (45-55 Hz) / Option 60 Hz				
	AC Input	230/400 V, 3P+N+PE, 630 A max. cont. (for Diesel Generators up to 430 kVA, limited by plugs)				
	AC Output	230/400 V, 3P+N+PE, 800 A (limited by plugs)			230/400 V, 3P+N+PE, 950 A (limited by plugs)	
	Potential Earthing / Grounding	According to local requirements by grounding connection point and by input connection.				
Storage System	Cell Chemistry	Lithium Iron Phosphate (LiFePO ₄ , LFP)				
	Cell Operating Temperature	-20 °C to +60 °C discharge +5 °C to +55 °C charge				
	Cell Safety	Over-Current, Over-Temperature, Over-Pressure, Over-Voltage Protection, internally fused (irreversible)				
	Fire Protection	Pack integrated thermally triggered extinguishing system (N ₂ / CO ₂)				
	Net Capacity	M10: 120-240 kWh M20: 240-480 kWh			M10: 180-240 kWh M20: 240-480 kWh	
		Battery capacity can be expanded in steps of 20 kWh.				
	Battery Voltage	Nominal 652 V DC, Range: 585 to 744 V DC				
	Management	xelectrix Power BMS (Battery Management System)				
Heating / Cooling	Heat Pump / Air Conditioning System					
Communication	Internet	Standard: WAN Connection Point / Option: LTE				
	Human Interface	Integrated Control Board with Touch Display				
	External EMS	Optional Connection: via Modbus/TCP Interface				
	Monitoring	Standard: xPMon				
	GPS	Optional				
Standard		EN 61439-1, EN 61439-2, EN 61439-3, EN 61439-4, IEC 60364, OVE E 8101, TOR Erzeuger Typ A:2019-12, OVE R25:2020-03, VDE-AR-N 4105:2018-11, DIN VDE V 0124-100:2020-06				

For additional options and configurations please contact xelectrix Power or our regional partner.
info@xelectrix-power.com

UNLIMITED M10 - DIMENSIONS AND WEIGHT

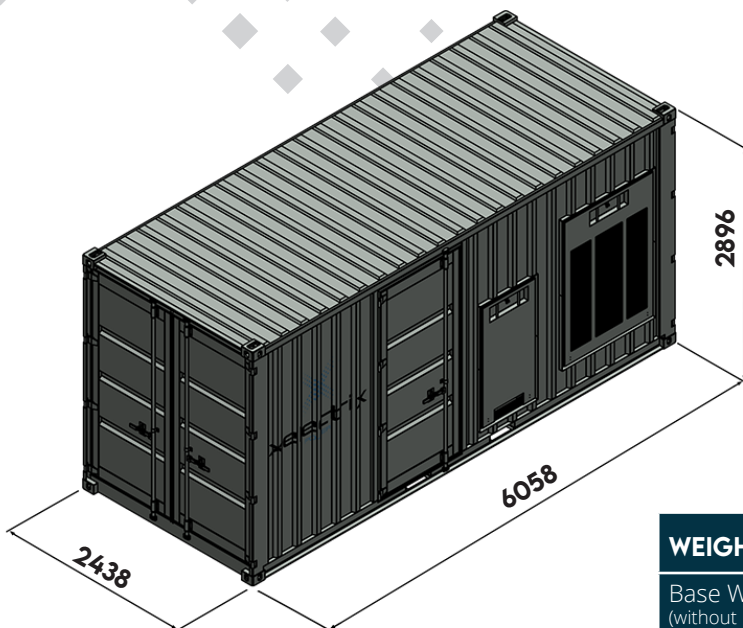
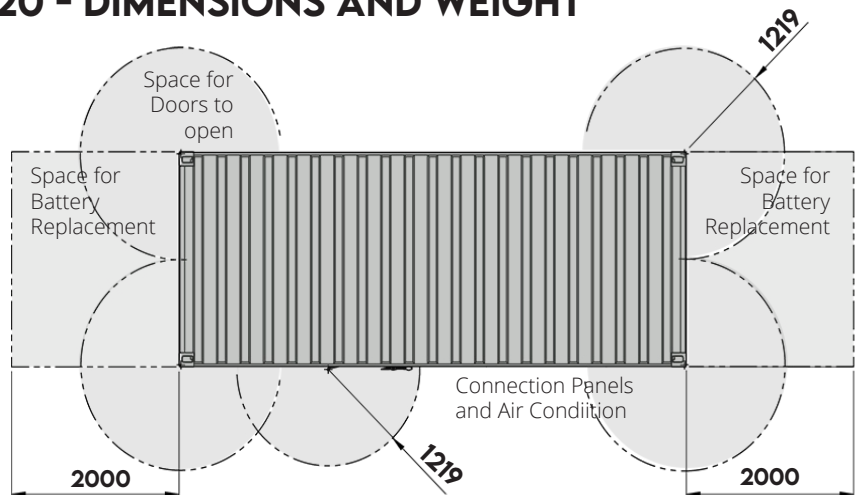
- INTERNAL**
- | Air Condition
 - | Battery Packs
 - | Power Electronics
 - | 24 V Batteries
 - | Connection Panels



Container designs possible in different variations

WEIGHT TABLE	U35	U80	U150
Base Weight (without Battery Packs)	4590 kg	5147 kg	5570 kg
+ per 20 kWh Battery Pack	280kg	280 kg	280 kg

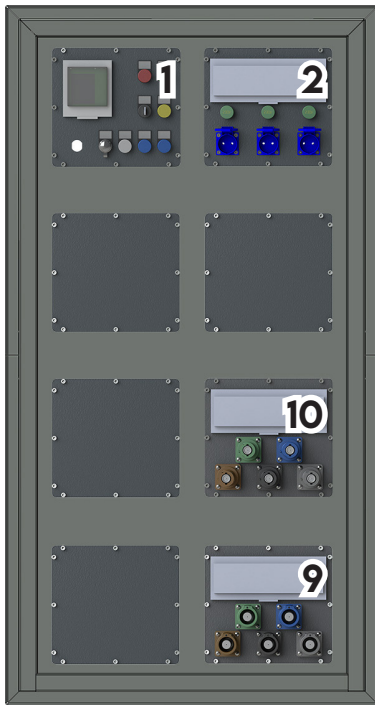
UNLIMITED M20 - DIMENSIONS AND WEIGHT



WEIGHT TABLE	U35	U80	U150
Base Weight (without Battery Packs)	6940 kg	7497 kg	7920 kg
+ per 20 kWh Battery Pack	280 kg	280 kg	280 kg

INPUT / OUTPUT CONNECTION PANELS

Standard | U35, U80, U150



Option 1: Dual Plugs
U35, U80, U150



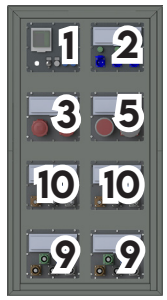
Option 2: internal ATS
U35, U80, U150



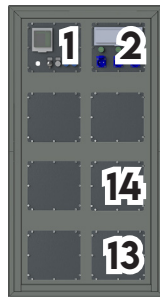
Option 3: All in +
U35, U80, U150



Option 4: All in +++
U150



Option 5: Hard wired
U35, U80, U150



LEGEND	
1	Display & Control
2	3 x Schuko Output*
3	2 x CEE 16 A 3P Output*
4	2 x CEE 32 A 3P Output*
5	1 x CEE 32 A 3P + 1 x CEE 63 A 3P Output*
6	2 x CEE 63 A 3P Output*
7	1 x CEE 125 A 3P Output*
8	ATS internal
9	Powerlock 400 A Input
10	Powerlock 400 A Output
11	Powerlock 400 A Input Grid
12	Powerlock 400 A Input Diesel Generator
13	Hard-wired Input
14	Hard-wired Output

All connection panels with RCDs are equipped with 30 mA leakage current, Type A RCDs.

* No. 2 -7 of the Plugs come with a central RCD and independent circuit breakers.

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.

SAFETY

Highest safety standards on cell, module and unit level.

BATTERY EXPANSION

Expandable Storage Capacity to suit your needs.

HIGH AMPS

Highest through put in the industry with up to 630 A.

BACKUP POWER

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

SPEED

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

GENERATOR HYBRIDIZATION

Optimization of fuel consumption and running time.

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