



Storage Systems

BATTERY STORAGE CONTAINER BSC MAX 20ft



- **Pre-installed battery container all-in-one solution** – on a reduced footprint
- **In-house power and control electronics** – Perfectly optimised with maximum safety and efficiency
- **State-of-the-art safety technology (monitoring / aerosol / smoke / heat)**
- **Latest cell technology** – Highest quality, durability and safety
- **Scalable performance and capacity**
- **Energy-optimized air-air battery cooling system for higher efficiency**



- **Commercial and industrial plants** – Peak shaving, Time of Use, Self-consumption optimization, Multi-Use, Energy Trading
- **Buffer storage for EV fast charging** – Increase of usable power
- **Control power** – Balancing grid fluctuations
- **Urban district storage or new buildings** – Transformer load relief



- **Pramac Storage Systems** – Leading supplier of power electronics
- **Proven technology** – For a wide range of battery applications
- **Strong team** – With a global partner
- **Reliable energy storage solutions** – Indoor / Outdoor / Container



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TECHNICAL DATA	BSC MAX 1080/2258/20		BSC MAX 810/1693/20	BSC MAX 540/1129/20
Rated apparent Power (kVA)	1080		810	540
Rated Capacity (kWh)	2258		1693	1129
Max. C-Rate	0,5C			
Cell type	Li-Ion (LFP) Prismatic			
Cycles	7.300 @ 95% DoD 65% SoH			
Rated voltage (Vac)	400			
Max. AC current (A)	1560	1170	780	
Rated frequency (Hz)	50			
SAFETY DEVICES				
Active device	Permanent monitoring of the Battery cells			
	Smoke-sensor			
	Heat-sensor			
	Fire extinguisher Aerosol			
Passive device	Overpressure flap			

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GENERAL DATA	BSC MAX 1080/2258/20	BSC MAX 810/1693/20	BSC MAX 540/1129/20
Housing	20ft HQ-Container		
Dimensions (L×W×H, mm)	6.058×2.438×2.896		
Cooling system	Air cooling/heating on battery side Active ventilation on inverter side		
Cooling Power (kW)	2×9		
AC Main grid connection	3P, PE / TT / TN-C		
AC Auxillary grid connection	3P, N, PE / TN-C-S		
Insulation	Rock wool, 90 mm on ceiling and floor, 50 mm on walls		
Weight System (t)	26,3	21,9	17,4
Weight Battery Module (kg)	115		
Protection type	IP54		
Corrosion resistance	C3H		
Noise emission dB(A) @1m	< 67		
Working temp. range (°C)	-20 to +50		
Max. permissible installation height (m)	3.000		
Interfaces	RJ45 (Ethernet)		
Warranty	10 years product and performance warranty		
Certification Battery	CE / UKCA / UN 38.3 / UN 3536 / IEC 62619 / UL 1973 / UL 9540A / VDE 2510-50 / IEC 61000-6-2 / IEC 61000-6-4		
Certification Inverter	IEC 62109-1 / IEC 62109-2 / IEC 62477-1 / IEC 61439-1 / IEC 61439-2		
EU-Directives	2014/30/EU / 2014/35/EU / 2011/65/EU / 2015/863/EU		
Grid connection conditions	DIN VDE V 0126-1-1 / VDE AR-N 4110:2018 / C10/C11 / G99/1-9 / TOR Stromerzeugungsanlagen Typ A/B / CEI 0-16 / EN 50549-1/-2 / AS4777.2 / NTS 631, UNE 27002 / EN 50549-1/-2		

BATTERY STORAGE CONTAINER BSC MAX 20ft

PRAMAC SMART ENERGY CONTROLLER (PSEC)

Basic functions



Monitoring – visualization of energy flows & 24/7 historical data



Local & Cloud access



Operations management



Peak shaving



Self-consumption optimization



Time-of-Use



Multi-Use

Interfaces



REST (Cloud & Local), Modbus TCP

Compatible with

Charging stations

EnerCharge | Alpitronic | Mennekes | Wallbox | ABL
| Cubos | i-charging

Energy meter / Data logger

Janitza | Acrel | Siemens | Carlo Gavazzi / SMA |
Solar-Log | SunGrow

BSC MAX 20ft HC variants	#Racks / in kWh	12	2258		MAX		MAX					MAX
		11	2070								MAX	
		10	1882			MAX				MAX		
		9	1693	MAX					MAX			
		8	1505		MAX			MAX				
		7	1317					MAX				
		6	1129	MAX			MAX					
			270	360	450	540	630	720	810	900	990	1080
			3	4	5	6	7	8	9	10	11	12
			# Inverter / in kVA									