



Storage Systems

BATTERY STORAGE CONTAINER BSC MAX (PRO) 10ft



- **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, Smart Self-consumption, Multi-Use, Load management, Energy Trading, Microgrid
- **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 540/1129/10	BSC MAX PRO 540/1129/10
Rated apparent Power (kVA)	540	540 (On-Grid) / 450 (Backup)
Rated Capacity (kWh)	1129	
Max. C-Rate	0,5C	
Cell type	Li-Ion (LFP) Prismatic	
Cycles	7.300 @ 95% DoD 65% SoH	
Rated voltage (Vac)	400	
Rated frequency (Hz)	50	
AC Main grid connection	3P, PE / TT / TN-C	3P, N, PE / TT / TN-C-S / TN-C
AC Auxiliary grid connection	3P, N, PE / TN-C-S	-
Max. AC current (A)	780	
Nominal power factor / Range	1 / 0i...0c	
THDi (%)	< 3%	
Max. permissible phase unbalance (kVA)	-	60 (6×10)
SAFETY DEVICES		
Active device	Permanent monitoring of the Battery cells	
	Degassing system	
	Smoke-sensor	
	Heat-sensor	
Passive device	Fire extinguisher Aerosol	
	Water pipe connector Storz 52-C	
	Overpressure flap	

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GENERAL DATA	BSC MAX 540/1129/10	BSC MAX PRO 540/1129/10
Housing	10ft HC-Container	
Dimensions (L×W×H, mm)	3.171×2.438×2.896	
Cooling system	Air cooling/heating on battery side Active ventilation on inverter side	
Cooling Power (kW)	2×10,2	
Insulation	Rock wool, 80mm on ceiling and floor, 50mm on walls	
Weight System (t)	~ 14	
Weight Battery Module (kg)	115	
Protection type	IP55*	
Corrosion resistance container	C4H	
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 / IEC 63056 / 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	
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 4110:2023 / C10/C11 / G99/1-9 / TOR Stromerzeugungsanlagen Typ A/B / CEI 0-16, CEI 0-21 / EN 50549-1/-2 / AS4777.2 / NTS 631, UNE 27002 / EirGrid	

* Under evaluation

BSC MAX **PRO** requires accessory products


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PRAMAC ENERGY MANAGEMENT SYSTEM

Functionalities

 Monitoring – visualization of energy flows & 24/7 historical data	 Local & Cloud access	 Operations management	 Self-consumption optimization
 Peak shaving	 Time-of-Use	 Multi-Use	 Smart-Self Consumption
 Load management for charging infrastructure	 External control	 PV grid feed-in limitation	 Remote PV integration

Interfaces

 Modbus TCP	 REST lokal	 REST Cloud
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Supported Third-Party Devices

Charging stations	Energy meter / Data logger
EnerCharge Alpitronic Mennekes Wallbox ABL Cubos i-charging	Janitza Acrel Siemens Carlo Gavazzi / SMA SolarLog SunGrow

kWh	1129		MAX (PRO)	MAX (PRO)			MAX (PRO)
	941					MAX (PRO)	
	753		MAX (PRO)		MAX (PRO)		
	564	MAX (PRO)		MAX (PRO)			
	376	MAX (PRO)	MAX (PRO)				
BSC MAX (PRO) 10ft VARIANTS	90	180	270	360	450	540	
	kVA						