



Storage Systems

BATTERY STORAGE CONTAINER BSC PWR 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 PWR 1080/1064/20	BSC PWR 810/798/20	BSC PWR 540/532/20
Rated apparent Power (kVA)	1080	810	540
Rated Capacity (kWh)	1064	798	532
Max. C-Rate	1C		
Cell type	Li-Ion (LFP) Prismatic		
Cycles	> 7.000 @ 100% 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 PWR 1080/1064/20	BSC PWR 810/798/20	BSC PWR 540/532/20
Housing	20ft HQ-Container		
Dimensions (L×W×H, mm)	6.258×2.438×2.896		
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)	19,4	17,2	14,3
Weight Battery Module (kg)	65		
Protection type	IP54		
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 4110:2023 / 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		

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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



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