StatoDyne 12/100 (Na⁺NFPP)

The StatoDyne series are Uninterrupted Power Supply (UPS) or standby/backup rechargeable batteries using Sodium Ion (Na) Technology. They are not designed for cyclic/deep cycle or starting applications.

StatoDyne sodium ion is perfectly suited for long operational life, in remote locations with extreme temperatures. No BMS required, so the risk of failure is greatly reduced. Temperature control equipment may not be needed. Our sodium ion can even charge from a constant power supply and discharge large amounts of energy when required.

StatoDyne
Stato comes from Latin status or Greek statos (from histēmi), meaning “standing,” “stable,” or “fixed”. It suggests stability, control, and steady function.
Dyne is from Greek dynamis (δύναμις), meaning “power”, or “energy”.
StatoDyne means “stable power” or “controlled energy”— ideal for a sodium-ion battery brand.

Features:

- SAFE POWER THERMAL STABILITY
- EXTREME TEMPERATURE
- LIGHT WEIGHT
- 100% USEABLE CAPABILITY
- ZERO VOLT RECOVERY
- SUPER HIGH CYCLES

Application:

- UPS
- Data Center
- Emergency Back up

Technical Specifications

Item		StatoDyne 12/100
Series Characteristics	Application	UPS/Standby Energy Storage
	Technology	Sodium Ion (Na^+)
	Cathode Material	Polyanionic
	Chemistry	NFPP
	Communication	No BMS or Bluetooth
	Balance Bar	No
	Circuit Protection	Busbar. No internal fuse.
Electrical Specifications	Nominal Voltage	12V
	Nominal Capacity	100Ah
	Energy Capacity	1140Wh
	Usable Capacity	100%
	Cycles	5,000 – 100% DoD @ 0.5C @ 25°C 2,000 – 100% DoD @ 1C @ 25°C
	Charge Rate (Recommended)	0.5C
	Voltage Range (Working)	6V – 14.4V
	Charge Voltage (Recommended)	13.2V (0°C ~ +80°C)
	Operating Temperature Range	-30°C ~ +80°C
	Charger Type(Recommended)	Lithium, but do not use recondition mode. You can also use lead battery, but do not use de-sulphation or recondition mode. Power Supply mode is also possible.
Phyiscal Specifications	Dimensions (L x W x H)	332 x 172 x 221 (mm)
	Weight	16kg
	Case Material	UL94 V0
	Terminal Type	M8 insert bolt
Special Features	Parallel Connection ONLY	Refer to Series Warranty Document
	Maintenance Free	Yes
	Fully Sealed	Yes
Certifications	Certifications, Standards Compliance and Registration	CE-EMC, UN38.3, IEC6000, AU/NZ EESS, IEC62619* E/N 50342*, JB/T 12666-2015* * Compliant - passed testing, but no certification because no specific international Sodium Ion standard yet