NASN POWER

Container Battery energy storage

BESS:

This Container battery Energy Storage System (CBESS) with battery pack built-in, can charge ev at any time and any place. Mobile ev charger system, can be installed on ev self-contained VAN, or a towed trailer to provide roadside or remote electric vehicle rescue when the battery runs out, and on-demanding charging to door service. This emergency mobile ev charging system on the vehicle breaks space limitations and allows rapid deployment without infrastructure.



BESS Charger Features

Electricity supply balance - The advent of CBESS at scale can be a major contributor to electricity supply and demand on the power system balancing process.

Smart System - Each Module is monitored with BMS, for various protection, active balancing and SOC estimation. All BMS in each rack are communicate with RBMS.

Improve Productivity-It can avoid the high rates associated with supplemental power during peak hours, thus effectively reducing operating costs

Multiple recharge battery ways - Mobile emergency charger can be supplemented by public ev charging station with CCS, CHAdeMo and AC Type 1, Type 2 charging cable.

Specification-Take 20KW EV Charger as example

EV Charger	120KW(Can be customized)
Output Voltage	200-750Vdc
Output power	Min 120KW
Charger communication protocol	IEC 61851-24; DIN70121;ISO15118
Charger plug number	1 to 3
Charger plug standard	CHAdeMO CCS, GB/T, AC for option
Cable Length	5m length for each
charge 2 evs	support charge 2 evs at same time
Charge&Discharge	support Charge&Discharge at same time
Installation method	Stationary
EN-GATE v.s. Backend	Ethernet/WIFI/3G/4G for option
Communication protocol	OCPP1.6 (JSON)

Battery Pack		100KWH(Can be customized)
Battery Capacity (KWH)		100KWH
Cell Chemistry		Lithium iron phosphate LiFeP04
DOD% (Depth of discharge)		90%
Working Temperate	Charge	- 20 ℃ to 55 ℃
	Discharge	- 20 ℃ to 65 ℃
Communication Protocol		RS485/CAN/LAN
Cycle Life （0.3C）		> 6000 TIMES, 100% DOD @25℃
recgarge battery	AC Gird	3phase 400Vac±15% （3P+N+PE）
	DC CCS	CCS input
	DC CHAdeMo	CHAdeMO input
	AC public	Type 1 or Type 2 input for option

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