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Energy Storage System Integrated Compact Charging System

60/80KW+42.5KWh



Datasheet

Model Selection

Energy Storage System Integrated
Compact Charging System

BDESC-8040



Basic Parameter

Product Specification	Type	DC charging station
	Dimension	0.8m*0.8m*2.0m (w*d*h)
	Installation	Floor type
	Material	Industrial Grade Alloy
	Color	Grey silver sand
	Weight	600kg
Energy storage system	Battery Capacity	42.5kW·h
	Usable Energy (SAT)	40.4 kW·h 95% DOD
	Max. recharge Power	20kw
	Battery charging Rate	≤0.5C
	Battery discharge Rate	≤1C
	Battery Efficiency	≥94.5% under nominal situation
	Cycle Life	>6000 25°C ,60% EOL
	IP Ranking	IP54
Charging system	Connectors	1
	Charging power	DC Max.30/40kW +30/40kW=60kW/80kW
	Power distribution	1 connectors intelligent distribution
	Charging voltage	300V~1000V
	Efficiency	≥96.5%

Meter	DC side	DC meter(MID PTB optional)
Cooling system	Battery cooling	Air-cooled
	Power modules	Air-cooled
	Cable cooling	Air-cooled
User Interface	Display size	19 Inch
Payment System	RFID, credit card	
Connectivity	GSM & LTE & LAN & WLAN	
Communication	OCPP 1.6J	
Communication		
Environment Parameter		
	Applicable site	Outdoors
	Ambient temperature	-30 -50 over 45 derating
	Humidity	≤95% No condensation
	Altitude	≤2000m
	Noise Emission	≤70dB under nominal situation
	EMC Emission	Class B
	Medium	No explosive hazardous, No toxic & harmful gases.
	Interference	Without strong vibration and shock, no strong electromagnetic interference
Input, Output		
	Input Voltage	3Phase 400VAC +/- 15%
	Input Frequency	50Hz±1Hz
	Output Voltage Range	150VDC-1000VDC
	Constant-power voltage output range	300VDC-1000VDC
	Nominal power output	30/40kW + 30/40kW
	Current output	Max. 200A CCS2 continuously

Safety

IP ranking

IP54

Safety protection

Input protection, Overcurrent protection, Lightning protection, Over-temperature protection, output over-voltage protection, fan protection, short circuit protection, Emergency button, Flood protection, Ground protection, Dumping protection, Smoke protection, Fire protection

Standard

Battery level

IEC 62619,,IEC/EN 61000-6-1/3 UN38.3

System level

IEC 61851-1,IEC 61851-23,IEC 61851-21-2,IEC 61851-24