

DURACELL®

SOLAR SOLUTIONS

C&I ENERGY STORAGE

DC Battery System

DS-BSC04-100



CHARACTERISTICS

DC Battery System
Rated power 102.4kWh



IN A NUTSHELL

Flexibly adjusts energy storage

Built-in intelligent battery management system (BMS)

Rapid and efficient monitoring for real-time alerts, accurate fault detection

IP54 protection, C4 corrosion resistance

Highly efficient air cooling design for ultimate temperature control



PRODUCT SERIES	
DURACELL COMMERCIAL / INDUSTRIAL ENERGY STORAGE	
DC BATTERY SYSTEM	

PRODUCT NAMECODE (PNC)	
DS-BSC04-100	

ELECTRICAL CHARACTERISTICS		
Model: DS-BSC04-xxx	102400	
Battery type	Lithium LFP	
Nominal capacity	[kWh]	102.4
Nominal voltage	[V]	512
Voltage range (usable)	[V]	448-565
Charge / Discharge current (nominal)	[A]	50/50
Charge / Discharge current (max)	[A]	55/55
Charge / Discharge rate	[C]	0.5
Communication Protocol	Ethernet;CAN	
Communication Interface	CAN,MODBUS TCP/IP	
Maximum System Efficiency (η)	[%]	97.5
Depth of Discharge (DOD)	[%]	90

PHYSICAL CHARACTERISTICS		
Model: DS-BSC04-xxx	102400	
Height	[mm]	1100
Width	[mm]	1100
Depth	[mm]	2380
Weight	[kg]	1500
Installation	Floor-stand	
Case	carbon color	

WARRANTY ¹	
Product and performance	5-year standard warranty or 6000 cycles (whichever comes first)

OPERATING CONDITIONS		
Operating temperature	[°C]	-30 to 50
Storage temperature	[°C]	-20 to 50
Humidity conditions	[%]	0 to 95
Altitude	[m]	max. 4000
Fire Control	Double aerosol fire extinguish system	
Cooling method	Air Conditioner	

RELIABILITY AND CERTIFICATION	
Certification	IEC 62619-2017, IEC61000-6-2/4
Transportation	UN 38.3
Protection class	IP54



NOTES	
1- For the full Warranty Terms please visit www.duracellsolarsolutions.com	
Dimensions in the technical picture are expressed in mm with tolerance ±2 mm (±0.079 ")	
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