

YL-DR SERIES

SUPERIORITY

- High specific capacitance
- High purity
- High tap density
- Long cycle life

APPLICATION

- Super capacitor

CERTIFICATES

- ISO 9001
- ISO 14001
- OHSAS 18001
- ROHS

PACKAGING

- Outer packing: Cartons
- Inner packing: PE bag
- Product specification
- 10kg/ bag *2

YL-DR Series is produced by selected coke and refined by a series of unique processes. The product is special electrode material for supercapacitors with characteristics of high surface area, high capacitance, high energy density and high purity. The stability and consistency in electrochemistry guarantee its excellent performance in supercapacitor application.

Physical Properties

		DR80	DR90	DR100
Particle size D ₅₀	[1] μm	6.5	7.2	7.2
Moisture Content	[2] %	0.50	0.50	0.50
Ash Content	[2] %	0.30	0.30	0.30
pH value	[2]	6.8	6.5	6.5
Oxygen-containing functional group	[3] mmol/g	0.8	0.9	0.9
Surface Area	[4] m ² /g	1600	1600	1800
Tap Density	[2] g/ml	0.40	0.44	0.43

Electrochemical Performance

Button Type

Mass capacitance of electrode material	[5] F/g	104	135	143
Mass Capacitance of capacitor	[5] F/g	26	33.75	35.75
Volume Capacitance of electrode material	[5] F/cm ³	59	75	79

Coiling Type

Volume per capacitance	[6] F/cm ³	15.5	19	21
Capacitance tolerance range (2.7V, 65°C, 1500h)	[7] %	20	20	20
Resistance tolerance range (2.7V, 65°C, 1500h)	[7] %	100	100	100

Test Standard :

[1] Laser PSD	[4] BET	[7] IEC62391-1-2006
[2] GB/T 12496-1999	[5] IEC 62391-1 T/CSCI 006	
[3] Boehm	[6] Maxwell 6 steps method	

