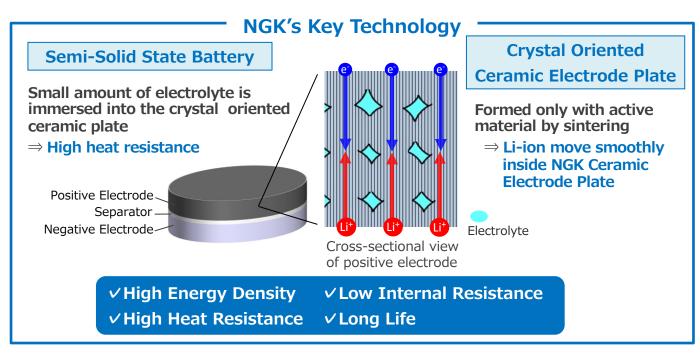


EnerCera Pouch

- •Ultra thin and bendable pouch type cell (0.45mm thick)
- •Can be embedded in IC cards by hot lamination process
- ·High current output (several 100 mA)

EnerCera Coin

- ·Heat resistant coin type cell
 (Operating temperature up to 105℃)
- ·Can be mounted on board by Reflow Soldering
- ·High current output (several 10 mA)



EnerCera Pouch

	New!							
Model Number	Coming soon EC382704P-T	EC382504P-P	EC382704P-C	EC382204P-C	EC302304P-C	EC382704P-H	ET271704P-H	
Appearance	NGK EC382704P-T	NGK EC382504P-P	NGK EC382704P-C	NGK EC382204P-C	NGIK ECHO200H-C	NGK ECS82704P-H	+ NGK 0727206-M	
Dimensions	38 x 27mm	38 x 25mm	38 x 27mm	38 x 22mm	30 x 23mm	38 x 27mm	27 x 17mm	
Thickness	0.45mm							
Nominal Capacity (Charging Voltage)	27mAh (4.3V) 24mAh (4.2V)	20mAh (4.2V)	27mAh (4.3V) 24mAh (4.2V)	20mAh (4.3V) 18mAh (4.2V)	15mAh (4.3V) 14mAh (4.2V)	20mAh (4.2V)	5mAh (2.7V)	
Nominal Voltage	3.8V							
Charging Condition	Constant current (CC) - Constant Voltage (CV) charging							
(Ref.) Peak Discharge Current*1	560mA	500mA	260mA	200mA	130mA	130mA	100mA	
Bendability	Conforming to ISO 14443-1 standard No deterioration after bending and torsion tests							
Operation Temp.	Discharge: -20° C $\sim 45^{\circ}$ C (Charge: 0° C $\sim 45^{\circ}$ C) Discharge: 0° C (Charge: 0° C)						-40 ~ 70℃	
Heatproof Temp. (in process)	80℃ 13						5℃	
Features	High Power High capacity High heat resistance				Fast charging* ²			

^{*1} Voltage drop is less than 0.5V with continuous discharge for 0.1 sec. (at 25°C)

IEC62133 certified

Contents may be changed without notice.

EnerCera Coin

Model Number	ET2016C-R	ET1210C-H	ET2016	6С-Н				
Appearance	NGK ET2016C-R	NGIK ETIZIOCH	NG ET2016					
Size	Ф20 x 1.6mm	Ф12.5 x 1.0mm	Ф20 х 1.	.6mm				
Nominal Capacity (2.7V charge)	25mAh	4mAh	20m/	Ah				
Nominal Voltage	2.3V							
Charging Condition	Constant Voltage (CV) charging (No current control required)							
(Ref.) Peak Discharge Current*1	60mA	20mA	45m	Α				
Operation Temp.	-40℃ ~ 60℃	~ 60°C -20°C*2 ~ 105°C		125°C type Under developme	ent			
Implementation specifications	Reflow soldering applicable*3							

^{*1} Voltage drop is less than 0.5V with continuous discharge for 0.1 sec. (at 25°C)

*3 Please check with us for the conditions.

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^{*2} Can be charged from 0% to 80% capacity in 14min.

^{*2 -40°}C to 105°C for RTC backup applications.