

# EPCOS Components for Green Power Generation

## Portfolio overview

	Wind energy														
	Drive technology		Overvoltage protection		Power generation, conversation & transformation						Power quality solutions				
	Electric drives (pitch control, nacelle adjust)	Drive control	Lightning protection	Overvoltage protection for electronic devices	Generator	Gearbox	DC filtering	DC link	Snubbing	Output filtering	Outdoor cabinet heating	Electronic power meter	Ground fault circuit interruptor	Power factor correction facilities	Surge protection modules
<b>AC capacitors</b>															
MotorCap S0															
MotorCap Compact S3															
MotorCap S2															
AC filtering									●						
<b>Aluminum electrolytic capacitors</b>															
Screw terminals	●						●								
4-/5-pin snap-in terminals & solder pins	●														
Snap-in	●														
<b>EMC filters and chokes</b>															
2-line filters							●								
3-line filters	●								●						
4-line filters	●								●						
Converter chokes						●	●		●				●		
Output filters									●						
High-voltage common-mode chokes							●		●				●		
High-current/ Standard common-mode chokes		●							●		●		●		
<b>Ferrites</b>															
E, EFD, ETD, E DG, ETD DG cores	●	●													
ELP, ER, EQ cores	●	●									●				
PQ, PQ DG cores	●	●													
U, PM, PM DG cores									●						
Ring cores	●	●									●				

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		Photovoltaic systems														Heat exchanger systems								
Sensor technology service		Teleservice					Power conversion & transformation														Solar heat systems / shallow ground heat technologies / deep geothermal systems			
Barometric pressure measurement	Current sensing	Temperature measurement	Advanced Metering Infrastructure (AMI)	Infrastructure systems	Control electronics	Overvoltage protection	Uninterruptible power supplies (UPS)	DC EMI filtering	Boost converter	Transformer / galvanic isolation	DC link	IGBT bridge	Snubbing	Output filtering	AC EMI output filtering	Power supply	Energy storage systems	Control electronics	Cold and hot water pumps	Heat exchanger	Steam power generator	Control electronics		
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<b>Film capacitors (medium power)</b>														
MKP DC link, MKP THB	●						●	●						
MKP snubber	●							●						
MKP for general purpose	●							●						
MKT, MKT AC heavy duty X2											●			
X2 humidity, X2 industrial grade	●		●								●			
X2, X1	●		●											
Y2, Y1	●		●											
MKP PFC power factor correction													●	
MKP AC for output filtering	●								●					●
MMKP														
<b>High-voltage contactors (HVC)</b>														
HVC200, HVC300, HVC500														
<b>Inductors</b>														
SIMID 0603 ... 2220											●			
Power inductors, high-current chokes		●					●				●			
Storage chokes, reactors							●		●				●	
<b>LV PFC capacitors and PFC key components</b>														
PhaseCap Energy														●
PhaseCap Premium														●
PhaseCap Compact														●
PhaseCap HD														●
DeltaCap														●
PhiCap														●
PoleCap														●
LV APP capacitors														●
PFC key components														●
<b>LV power quality solutions</b>														
PQSine (active harmonic filters)														●
PQvar (static var generators)														●

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<b>MV PFC capacitors and PFC key components</b>															
Vacuum contactors														•	
MV capacitor switches														•	
MV capacitors														•	
MV surge capacitors			•											•	•
MV energy storage capacitors <sup>1)</sup>															
<b>Power capacitors</b>															
MKP AC, MKD AC	•								•						
MKP DC, MKP DC LSI	•					•	•								
PCC LP	•					•	•								
MKK HP	•								•						
MKK DC	•					•	•								
<b>Pressure sensors</b>															
MiniCell pressure transmitters															
<b>Surge arresters</b>															
2-electrode arresters H3, L1			•	•											•
2-electrode arresters V1			•	•											•
2-electrode arresters EF, A7			•	•							•				
2-electrode arresters A8				•											
3-electrode arresters T8				•											
<b>Thermistors NTC</b>															
SMD NTC	•		•		•	•					•	•		•	
Bondable chip	•		•		•	•					•	•		•	
S86*, S87*, S88*, S964, S971, S981	•		•		•	•					•	•		•	
G1541, G1551, G1561	•		•		•	•					•	•		•	
M703*, M1703*	•		•		•	•					•	•		•	
K45*	•		•		•	•								•	
T120*															
K301*															
Inrush current limiters	•	•													

<sup>1)</sup> For development, research and testing in the fields of high voltages and currents e.g. impulse voltage or current generators

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		Teleservice						Power conversion & transformation									Solar heat systems / shallow ground heat technologies / deep geothermal systems						
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<b>Thermistors PTC</b>															
Limit temperature sensors, sizes 0402, 0603, 0805	•	•			•	•						•			
Motor protection sensors					•										
Overcurrent protection, sizes 0603 and 1210		•										•			
Overcurrent protection, sizes 3225 and 4032		•										•			
Overcurrent protection, SMD disks		•										•			
Overcurrent protection, leaded disks		•										•			
Heating elements										•					
Inrush current limiters, leaded disks	•								•						
Inrush current limiters, phenolic resin plastic case	•								•						
<b>Transformers</b>															
Magnetics modules for LAN applications															
Flyback transformers		•										•			
Push-pull transformers															
Gate drive transformers															
Power transformers															
Current sense transformers		•													
<b>Varistors, ceramic transient voltage suppressors</b>															
SMD varistors	•		•	•								•			•
SMD disk varistors (CU)	•		•	•					•			•	•		
Leaded round disks, S05 ... S25	•	•	•	•								•	•		
Leaded square disks, Q14, Q20	•	•	•	•								•	•		•
Strap varistors, LS40 ... LS41			•												•
Strap varistors, LS40-E7			•												•
Block varistors, B32 ... B80			•		•				•						•
ThermoFuse varistors, T14, T20, ETFV25			•									•	•		•
SNF14, SNF20	•	•	•	•								•	•		

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