

CUSTOMER DOCUMENT

# Spare part packages for ACS1000 drives

## Generic spare part package definition

### What are spare part packages?

Spare part packages contain replacement components for drives. They are stored on-site for immediate availability in case of an incident.

There are two types of spare part packages:

1. Generic
2. Customized

### Generic spare part packages

The following generic spare part packages are predefined parts kits for specific use cases:

#### **Minimum spare part package – commissioning spares**

A low budget parts kit to help with some fault cases.

This package contains parts to be prepared for the eventuality of issues during commissioning. That's why this package is also called "commissioning spares".

#### **Standard spare part package – for unexpected failures**

An emergency on-site parts kit that contains the most common components that are required for a quick problem resolution. This package is for the "two-years spares" sales case.

#### **Extended spare part package – for versatile repair needs**

An emergency on-site parts kit that includes a wide range of components for specialists. This package is for the "five-years spares" sales case and allows for the highest degree of independence from the global ABB spare part stock center.

### Customized spare part packages

These parts kits are defined by specific customer requests. ABB recommends that you start with a generic spare part package and adapt its contents according to needs of the customer.

## Spare part packages: Always available for eventualities

### **Project Phase – Simplicity of choosing spare parts packages**

During the project phase ABB provides for any kind of application spare part packages (project spares) with the best mix of cost and coverage based on experience. Any customization can easily be satisfied if the generic spare part packages do not fit to the customer needs.

### **Operational Phase – Availability of spare part packages**

During the operational phase ABB still provides the option to freely configure spare part packages. Through ABB's global spare part logistic chain, all components are available for immediate shipping in order to support customers to be prepared for any eventualities.

For certain products, the generic spare part packages are visible in myABB and can be freely configured.

## Generic spare parts package content

### ACS1000-xxx-Axx-E Project Spares (ACS1000 air-cooled without integrated transformer)

Component Type	Total	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
Fuse 3A	16	5	5	5
IGCT	14	3	4	6
Isolated power supply (sub boards)	14	3		
Clamp and NP diode	8	2	4	4
Fuse 25A	2	2	2	2
IGCT (replacement tool)		2	2	2
Current Transducer (inverter current)	2	1	1	1
Current Transducer (filter current)	2	1	1	1
Current Transducer (earth current)	1	1	1	1
I/O Board	2	1	1	1
AC/DC Power Supply for measurement board	1	1	1	1
AC/DC Power Supply for control (1ph and 3ph)	2	1	1	1
AC/DC Power Supply UPS module (battery excluded)	1	1	1	1
Short Circuit Detection Board	2	1	1	1
Main control board	1	1	1	1
Interface board	1	1	1	1
Varistor Kit for Protection IGCT stack	2			2
Current and Voltage Measurement Board	1		1	1
Isolated power supply	2		1	1
Control Panel	1		1	1
Diode Rectifier Supervision Board	1		1	1
Rectifier Diode	12		3	6
Voltage Measurement Board	1		1	1

**ACS1000-xxx-Wxx-E Project Spares (ACS1000 water-cooled)**

<b>Component Type</b>	<b>Total</b>	<b>Minimum Spare Part Package</b>	<b>Standard Spare Part Package</b>	<b>Extended Spare Part Package</b>
Fuse 3A	16	5	5	5
IGCT	14	3	4	6
Isolated power supply (sub boards)	14	3		
Clamp and NP diode	8	2	4	4
Fuse 25A	2	2	2	2
Current Transducer (inverter current)	2	1	1	1
Current Transducer (filter current)	2	1	1	1
Current Transducer (earth current)	1	1	1	1
I/O Board	3	1	1	1
AC/DC Power Supply for measurement board	1	1	1	1
AC/DC Power Supply for control (1ph and 3ph)	2	1	1	1
AC/DC Power Supply UPS module (battery excluded)	1	1	1	1
Short Circuit Detection Board	2	1	1	1
Main control board	1	1	1	1
Interface board	1	1	1	1
Varistor Kit for Protection IGCT stack	2			2
Current and Voltage Measurement Board	1		1	1
Isolated power supply	2		1	1
Control Panel	1		1	1
Diode Rectifier Supervision Board	1		1	1
Rectifier Diode	12		3	6
Pressure sensor	2		1	1
Conductivity sensor	1		1	1
Temperature sensor	1		1	1
Mechanical kit (Sealing, Gaskets, O-rings, Teflon tape, Victaulic coupling)	n.a.	1	1	1
Deionizer bottle with resin	1	1	1	1
Fine filter & cartridge	1	1	1	1
Mechanical pump seal	2		1	1
Pump-motor combination	1 or 2			1

**ACS1000-xxx-Axx-J Project Spares (ACS1000 air-cooled with integrated transformer)**

<b>Component Type</b>	<b>Total</b>	<b>Minimum Spare Part Package</b>	<b>Standard Spare Part Package</b>	<b>Extended Spare Part Package</b>
Fuse 3A	16	5	5	5
IGCT	14	3	4	6
Isolated power supply (sub boards)	14	3		
Clamp and NP diode	8	2	4	4
Fuse 25A	2	2	2	2
IGCT (replacement tool)	0	2	2	2
Current Transducer (inverter current)	2	1	1	1
Current Transducer (filter current)	2	1	1	1
Current Transducer (earth current)	1	1	1	1
I/O Board	2	1	1	1
AC/DC Power Supply for measurement board	1	1	1	1
AC/DC Power Supply for control (1ph and 3ph)	2	1	1	1
AC/DC Power Supply UPS module (battery excluded)	1	1	1	1
Short Circuit Detection Board	2	1	1	1
Main control board	1	1	1	1
Interface board	1	1	1	1
Varistor Kit for Protection IGCT stack	2			2
Current and Voltage Measurement Board	1		1	1
Isolated power supply	2		1	1
Control Panel	1		1	1
Diode Rectifier Supervision Board	1		1	1
Rectifier diode module	12		3	6
Voltage Measurement Board	1		1	1
Input Current Sensor	3			1



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