

Spare part packages for ACS6000 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.

Please take under consideration, that the content of the parts kits can vary depending on the Drive configuration and the used options.

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

INU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
IGCT	12	2	4	2
NP and RC diode	6 or 18	2	4	2
Clamp diode	6	1	2	1
Interface Board	1	1	1	1
Current and Voltage Measurement Board	1	1	1	1
High Voltage Divider Board	1		1	1
Short Circuit Detection Board	1		1	1
Isolated power supply	3	1	1	1
Power Supply (20A)	3	1	1	1
Power Supply (3.5A)	2	1	1	1
Current Transducer	3		1	1
Door Lock	1	1	1	1
Phase module	3			1

ARU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
IGCT	12	2	4	2
NP and RC diode	6 or 18	2	4	2
Clamp diode	6	1	2	1
Interface Board	1	1	1	1
Current and Voltage Measurement Board	1	1	1	1
Isolated power supply	3	1	1	1
Power Supply (20A)	3	1	1	1
Power Supply (3.5A)	2	1	1	1
Current Transducer	3		1	1
Transformer saturation board	1	1	1	1
Door Lock	1	1	1	1
Phase module	3			1

LSU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
Rectifier diode	12	3	3	6
Crowbar thyristor	4	1	1	2
Crowbar board	1		1	1
Voltage measurement board	0 or 2		1	1
Diode Supervision board	1		1	1

COU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
Main Control Board	1 or 2	1	1	2
Interface Board	1 or 2	1	1	1
Fieldbus adapter	0 - 2	1	1	1
IO Bus Model module	1	1	1	1
IO Digital Input module	2	1	1	1
IO Digital Output module (24VDC)	1	1	1	1
IO Digital Output module (230VAC/DC)	1	1	1	1
Optical Electrical Interface board	1		1	1
Safety Relay	1	1	1	1
Power Supply (10A)	1	1	1	1
Power Supply (5A)	1	1	1	1
Control Panel	1 or 2		1	1
Control Panel Connection Board	1 or 2		1	1
Pulse Encoder Interface	0 or 1	1	1	1
Position Encoder Interface	0 or 1	1	1	1
Synchronization voltage measurement board	0 or 1		1	1

CBU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
High voltage relay	1 or 2	1	1	1
Discharging Supervision board	0 or 1		1	1
Isolation supervision	0 or 1		1	1

EXU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
DCS800	1			1
DDCS board COM-81	1	1	1	
DCS Main board	1	1	1	
Overvoltage protection board	0 or 1		1	1
Earth-fault supervision	0 or 1		1	1
DC/DC converter	0 or 1		1	1
Overvoltage Thyristor	0 or 6	3	3	
Line Fuses (Frame D4)	0 or 3	3	3	3
Semiconductor Fuses (Frame D5)	0 or 6	3	3	

BCU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
IGCT	2		1	1
Diode	2		1	1
Short Circuit Detection Board	2		1	1
Isolated power supply	1		1	1

RBU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
IGCT	2		1	1
Diode	2		1	1
Short Circuit Detection Board	2		1	1
Isolated power supply	1		1	1

VLU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
IGCT	2		1	1
Diode	2		1	1
Short Circuit Detection Board	2		1	1
Isolated power supply	1		1	1

WCU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
Power Supply (10A)	1		1	1
IO Bus Model module	1	1	1	1
IO Digital Input module	1	1	1	1
IO Digital Output module (230VAC/DC)	1	1	1	1
IO Analog Input module	1	1	1	1
Pressure sensor	2 or 4		1	1
Temperature sensor	1 or 2		1	1
Conductivity sensor	1 or 2		1	1
Pump	1 or 2			1
Mechanical pump seal	1 or 2		1	1
Deionizer	1	1	1	1
Filter	1	1	1	1
Mechanical kit (Sealing, Gaskets, O-rings, Teflon tape, Victaulic couplings)	n.a.	1	1	1

IFU Project Spares

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
Supervision board	1	1	1	1

IO Extension +CEO0001 Spares (WCU roof extension box)

Component Type	Total*	Minimum Spare Part Package	Standard Spare Part Package	Extended Spare Part Package
IO Bus Model module	1	1	1	1
IO Digital Input module	1	1	1	1
IO Digital Output module (230VAC/DC)	1	1	1	1
IO Analog Input module	1	1	1	1
IO Analog Input module for RTD	1	1	1	1
IO Analog Output module	1	1	1	1

* Total used amount of parts depends on Drive configuration



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