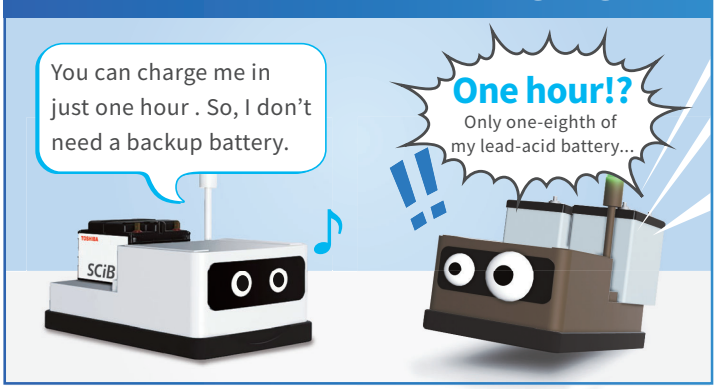
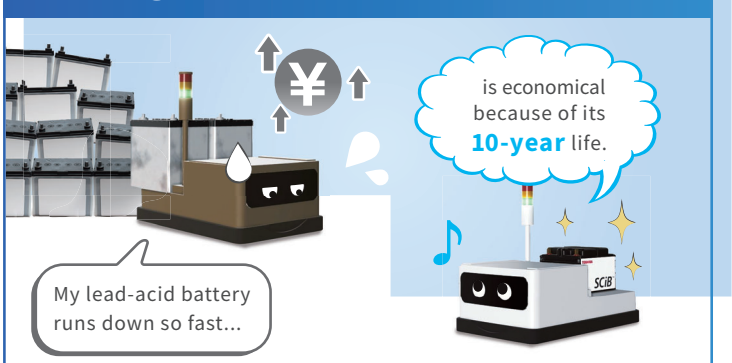
TOSHIBA

What is Industrial Lithium-ion Battery *SCiB*™ Industrial Pack

One-hour rapid charging



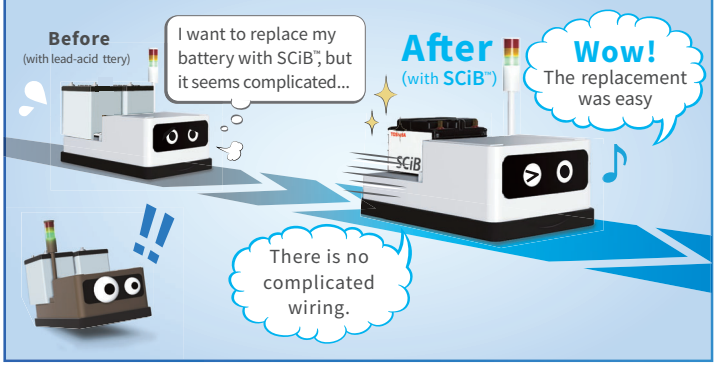
Long life and low total cost



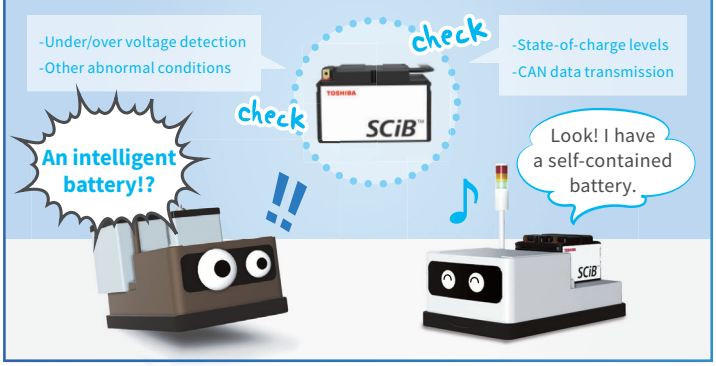
Small, lightweight, and easily replaceable

Increased safety against smoke and fire

Easy replacement for a lead-acid battery



Robust self-diagnosis



Visit our YouTube channel. AGV Smile & Retro search

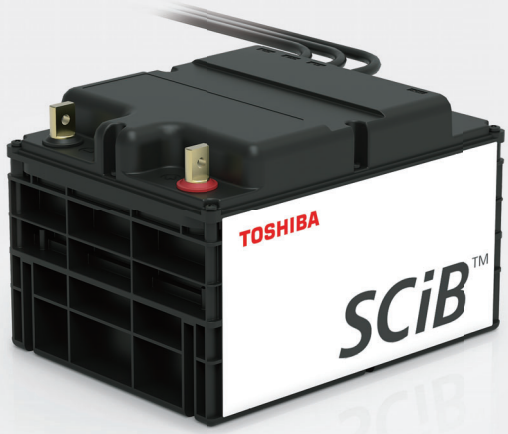
Industrial Lithium-ion Battery SCiB™ Industrial Pack

Easy replacement from lead-acid batteries

SCiB™ Industrial Pack is smaller and lighter than lead-acid batteries. They also can be handled more easily than other lithium-ion batteries. Therefore, you can replace your battery with the SCiB™ Industrial Pack without difficulty.

Up to 125A (200 seconds) charge and discharge are available.

SCiB™ Industrial Pack is appropriate for the motor drive or AGVs, which repeat frequent charging and discharging.



6 key features

Safe	SCiB™ can be charged anywhere because it neither produces hydrogen gas nor requires a dedicated charging chamber. In addition, the built-in BMU*1 provides protection for batteries.
Rapid charging	A rapid charging time of only one hour (minimum of 20 minutes) makes it possible to increase the availability of automated guided vehicles (AGVs), robots, and other systems.
Long life	A long life of 10 years*2 helps reduce total cost.
Small and lightweight	SCiB™ weighs roughly 8 kg, one-fourth the weight of a lead-acid battery, and therefore helps reduce the work burden and conserve space.
External interface	SCiB™ provides digital indication and CAN transmission of undervoltage, overvoltage, overtemperature, and other alarms and abnormal conditions, as well as the state-of-charge level
Easy replacement	SCiB™ eliminates complicated wiring and is an easy replacement for lead-acid batteries.

*1 BMU: Battery Management Unit *2 Values based on the simulation performed by Toshiba under a certain condition

Product specifications

Product name	SCiB™ Industrial Pack (24V)		SCiB™ Industrial Pack (48V)
Model	FP01101MCB01A	FP01101MCB01A×2unit	FP01101MCB02A×2unit
Module configuration	Single configuration	2 in parallel	2 in series
Module configuration image	 556Wh	 1112Wh	 1112Wh
Nominal voltage	DC25.3V		DC50.6V
Voltage range	DC16.5 to 29.7V		DC33.0 to 59.4V
Rated capacity	556Wh(22Ah)	1112Wh(44Ah)	1112Wh(22Ah)
Maximum allowable current	125A(200 seconds)	150A(200 seconds)	125A(200 seconds)
Charging method	CCCV constant current/constant voltage(V=28.6V)		CCCV constant current/constant voltage(V=57.2V)
Dimensions	W247×D188×H165mm	Using two batteries (W247 x D188 x H165mm)	
Weight	Approx. 8kg	Approx. 16kg	Approx. 16kg
Ambient temperature for use	-30 to 45°C		
Ambient temperature for storage	-30 to 55°C (35°C or less is recommended)		
Humidity for use/storage	85%RH or less (No condensation)		
Dust-/Water-proof	IP53 or equivalent		
Protection function	over charge protection, over discharge protection, over current protection, high temperature protection, and low temperature protection		

Confirm the module configuration above when placing an order. SCiB™ Industrial Pack is available only for the module configuration described above.

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SLE(E)-004b 20-12

SCiB™ Industrial Pack search https://www.scib.jp/en/product/sip/index.htm For detailed information of this product, please visit our Website.