

DECA[®]

Energy

storage system

components solution

DECA

SWITCHLAB



Company Profile



Company Profile

SwitchLab INC. was founded in 1988 as one of Asia's leading manufacturer in electric machinery switches and terminal blocks. Our R&D teams acquired strong background and experiences in the field prior to the founding of the company. Therefore, we were successful in entering into machinery switches and terminal blocks production soon as well as establishing our own brand – DECA. Currently, DECA is the tenth distinguished industrial brand in the worldwide industrial switches and terminal industry and have received recognition on domestic and international stages.

As we own one remarkable R & D capabilities and have been expending its industrial switches and various terminal products continuously, we have been in this field for many years and constantly been reaching our annual goal of developing various new products. We are proud to say that DECA represents a wide range and complete series of electric machinery switches and terminal blocks. Because of our experienced R & D teams and stable production lines, we are capable of quick responds and developments to meet market needs than others and we are able to undertake numerous OEM/ODM orders from the global markets.

We are able to offer our customers with one-stop solutions to their different problems. Since 1995, we were establishing the plastic injection, molding, and machinery department to meet all ranges of customers' requirements. In order to boost production and guarantee our quality, we also invest a lot of money every year to enhance one automatic production.

As we have manufacturing facilities located in Taipei, Shanghai, and Shenzhen, we are able to provide the most efficient logistics management to all of our domestic and international customers. Also, we offer one complete project management of product development and maintenance. Furthermore, we are keeping one operations in strict accordance with our company policy beginning with one series of continuous procedures: customer inquiry, samples, molding, production, inspection, packaging, and shipping...etc.

Switchlab is always insisting one principle of "Quality First and Excellent Products", and having over 600 global testing approvals and over 140 worldwide patents for our products. In addition, we are proud of obtaining their official authorization to our own laboratory from UL and we can conduct reliable testing for customers, which shortens the testing time and also improves our engineering and product analysis capabilities.

Not only continues to see growth, but we are committed in exceeding other manufactures of same field within Asia, with competitive advantage over stability in technological innovations and quality excellences, and more so to catch up with standards of renowned international companies from cross the world. We will carry forth the spirit of DECA and dedicate to provide the highest quality of products for the market and our customers.



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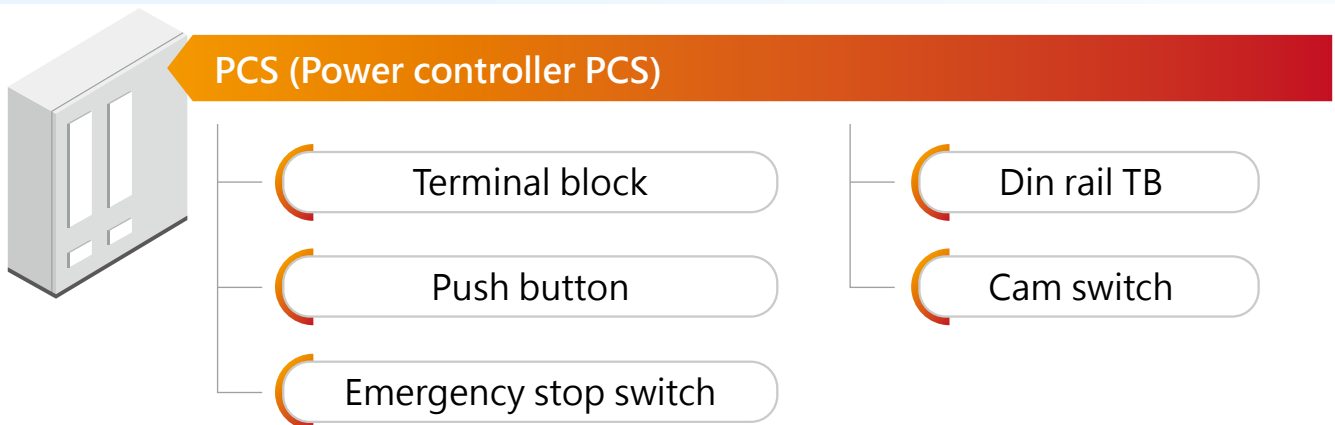
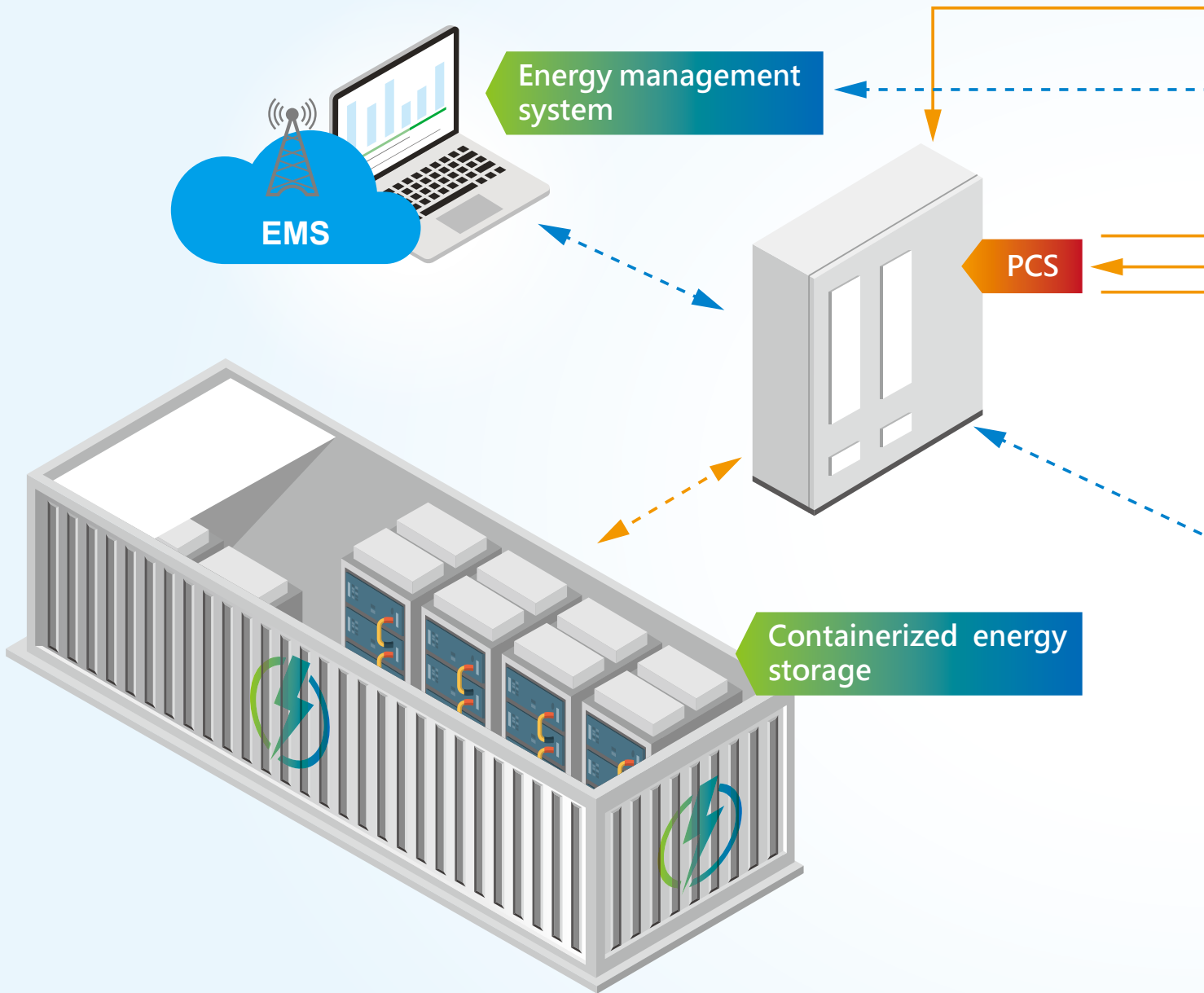
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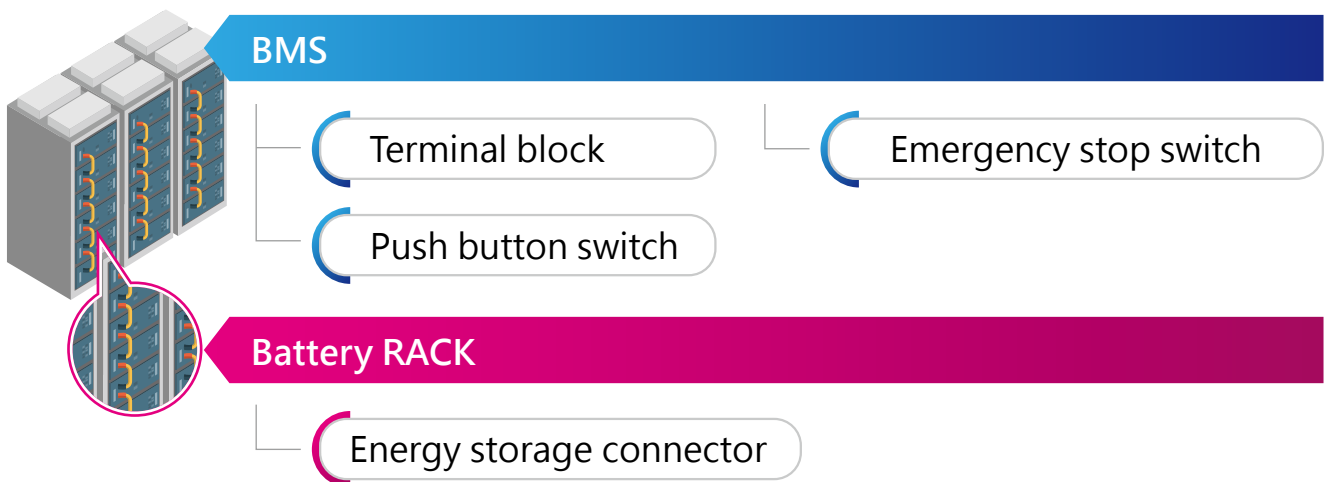
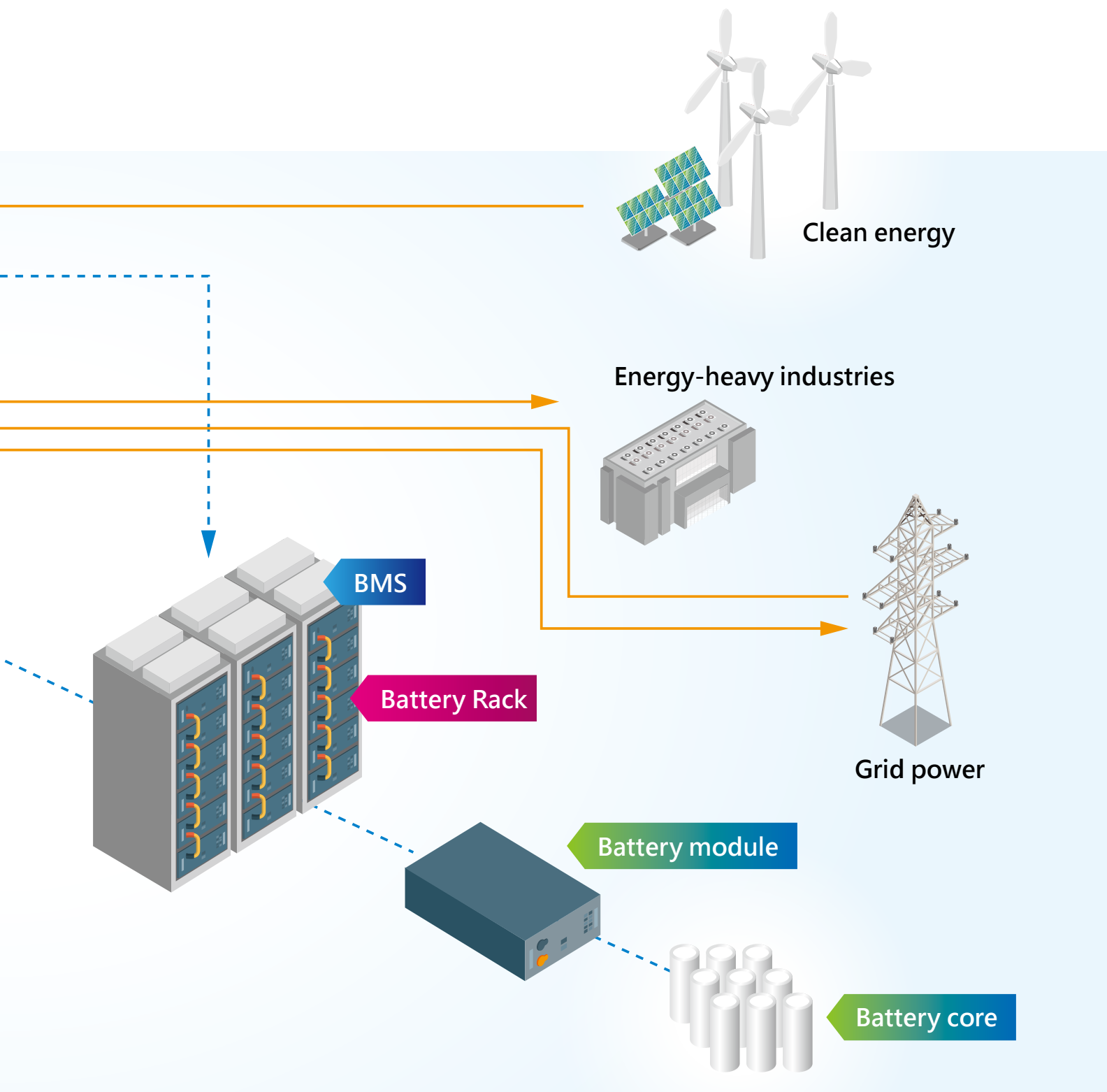
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Diagram of energy storage container







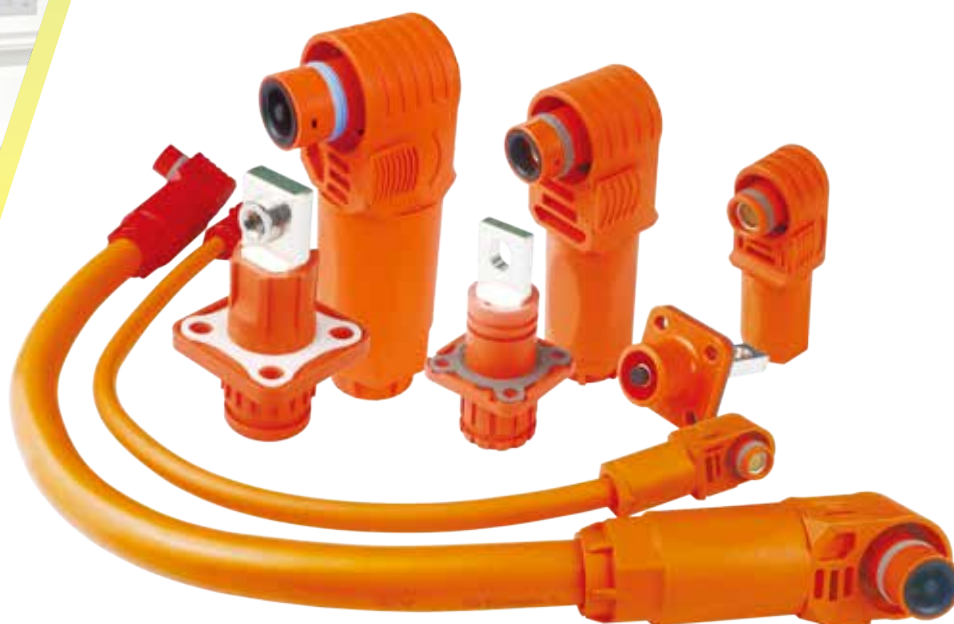
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Energy storage system
components solution

Energy storage connectors



5.7mm

100A for 16mm²
120A for 25mm²

8.0mm

150A for 35mm²
200A for 50mm²

10.3mm

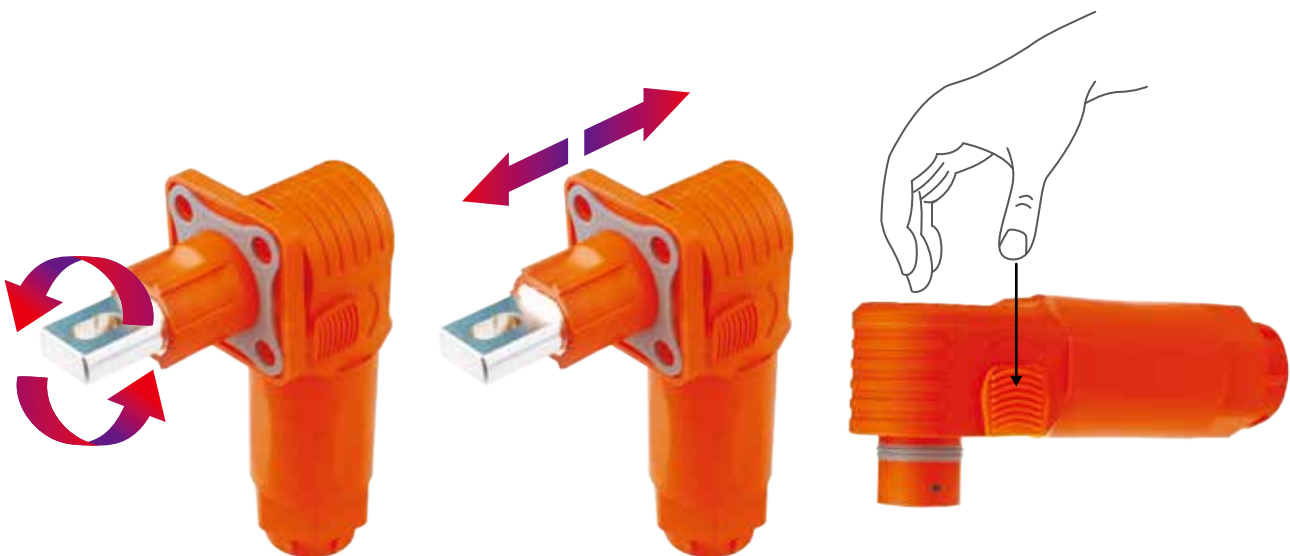
250A for 70mm²
350A for 95mm²

Specifications






	Key Feature
Multicolor	Two colors to avoid wrong connection
Keyway	Multiple keyways
Locker	Quick lock and slide-to-release design
Plug	360°rotating plug optional
Receptacle	Various termination options (Thread, Busbar, Busbar with nut)
Voltage	1000V / 1500V
Protection	Touch Proof
Design	Compact and robust design
IP rating	IP67 (High protection to ensure safety and reliability)
Certificate	UL4128 · TUV 2 PFG 2740
Product compliance	RoHS

Quick lock and unlock



Energy storage connector (Plug / Receptacle)

Photos		
Type	5.7mm	
Rated Voltage	1000V	
Rated current/ conductor cross section	100A for 16mm ²	120A for 25mm ²
IP rating	IP67	
Keyway for plugs	90°/180°/ no keyway (360°)	
Keyway for receptacles	90°/180°	
Connection method for receptacles	Busbar/ Screw	
Certificates/ Approvals	UL4128/ TUV 2PFG 2740 	

Photos		
Type	8.0mm	
Rated Voltage	1500V	
Rated current/ conductor cross section	150A for 35mm ²	200A for 50mm ²
IP rating	IP67	
Keyway for plugs	20°/ 30°/ 45°/ no keyway(360°)	
Keyway for receptacles	20°/ 30°/ 45°	
Connection method for receptacles	Busbar/ Screw	
Certificates/ Approvals	UL4128/ TUV 2PFG 2740 	

Energy storage connector (Plug / Receptacle)

Photos		
Type	10.3mm	
Rated Voltage	1500V	
Rated current/ conductor cross section	250A for 75mm ²	350A for 95mm ²
IP rating	IP67	
Keyway for plugs	20°/ 30°/ 45°/ no keyway(360°)	
Keyway for receptacles	20°/ 30°/ 45°	
Connection method for receptacles	Busbar / Screw / Busbar with nut	
Certificates/ Approvals	UL4128/ TUV 2PfG 2740  	



Energy storage system
components solution

Connectors for renewable energy



Solar connectors



E-Bike





Power connectors



Solar connectors


Photos	 <div style="text-align: right;">  </div>		
Item	CA413A		CA413B
Rated current	30A(2.5mm ²) 35A(4.0mm ²) 40A(6.0mm ²)	15A(14AWG) 20A(12AWG) 30A(10AWG)	36A(2.5mm ²) 41A(4.0mm ²) 46A(6.0mm ²)
Rated voltage	1100VDC(TUV)	1100VDC(UL)	2000VDC(TUV)
Size of Cables	2.5mm ² (14AWG) ; 4.0mm ² (12AWG) ; 6.0mm ² (10AWG)		
Protection Grade	IP68		

Photos			
Item	CA415B		
Rated current	(s=blank, 1)	(s=2)	(s=blank)
	36A(2.5mm ²) 41A(4.0mm ²) 46A(6.0mm ²)	41A(2.5mm ²) 46A(4.0mm ²) 55A(6.0mm ²) 70A(10.0mm ²)	turning: 46A(6.0mm ²) 55A(10mm ²)
Rated voltage	1500VDC(TUV)		
Size of Cables	2.5mm ² (14AWG) ; 4.0mm ² (12AWG) ; 6.0mm ² (10AWG) ; 10mm ² (8AWG)		
Protection Grade	IP68		

Photos			
Item	CA437B		
Rated current	(s=blank, 1)		(s=1)
	30A(2.5mm ²) 42A(2.5mm ²) 46A(4.0mm ²) 55A(6.0mm ²) 70A(10.0mm ²)	30A (10AWG) 20A (12AWG) 15A (14AWG)	42A(2.5mm ²) 46A(4.0mm ²) 55A(6.0mm ²)
Rated voltage	1100VDC(TUV) 1500VDC(TUV)	1000VDC(UL)	1100VDC(TUV) 1500VDC(TUV)
Size of Cables	2.5mm ² (14AWG) 4.0mm ² (12AWG) 6.0mm ² (10AWG) 10mm ² (8AWG)		
Protection Grade	IP68		

Energy storage system components solution

Connectors for renewable energy/ Solar connector

Photos		
Item	CA4Y	
Rated current	50A	
Rated voltage	1500VDC (TUV)	
Size of Cables		
Protection Grade	IP68	


Photos		
Item	①CAA01-PF/CAA01-WM	②CAA01-WF/CAA01-WM
Rated current	10A	10A
Rated voltage	300VAC(CE)	300VAC(CE)
Size of Cables	3*1.0mm ² (3.18AWG)	
Protection Grade	IP68	

Photos		
Item	③CAA02	④CAA03PF/CAA03-WM
Rated current	30A(3*2.5mm ²) 35A(3*4.0mm ²)	20A(3*2.5mm ²) 32A(3*4.0mm ²) 38A(3*6.0mm ²)
Rated voltage	300VAC(UL)	300VAC(TUV)
Size of Cables	2.5mm ² (14AWG) 4.0mm ² (12AWG)	2.5mm ² 4.0mm ² 6.0mm ²
Protection Grade	IP68	




E-Bike


<p>Photos</p>	 <p style="text-align: right;">CE</p>
<p>Item</p>	<p>DEB206</p>
<p>Rated voltage</p>	<p>500V AC / 300V DC</p>
<p>Rated current</p>	<p>30A / 15A</p>

<p>Photos</p>	 <p style="text-align: right;">CE</p>
<p>Item</p>	<p>H23-46</p>
<p>Rated voltage</p>	<p>96V AC/DC</p>
<p>Rated current</p>	<p>1-4 50A 5-10 20A Max</p>

Energy storage system components solution

Connectors for renewable energy/ E Bike Introduction

Photos		CE
Item	H9-26	
Rated voltage	96V AC/DC	
Rated current	1-2 70A 3-8 5A	



Photos		CE
Item	H6-24	
Rated voltage	96V AC/DC	
Rated current	1-2 70A 3-6 5A	

Photos		CE
Item	H1-02	
Rated voltage	96V AC/DC	
Rated current	80A Max	

Photos		CE
Item	H25-25	
Rated voltage	96V AC/DC	
Rated current	1-2 30A 3-8 5A	





Power connectors

Photos	 										
Item	DM-20-C03										
Electrical	Current rated					Operating voltage					
	20A					500V AC					
Environmental	Protection level										
	Standard is IP65, IP67&IP68 Option Available										
Multiple Module Combinations											
Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	9PIN	12PIN	14PIN	-	-	-
Current rated	20A	20A	20A	10A	10A	5A	5A	5A	-	-	-

Energy storage system components solution

Connectors for renewable energy/ Power connectors

Photos	 										
Item	DM-24-C04										
Electrical	Current rated						Operating voltage				
	25A						500V AC				
Environmental	Protection level										
	Standard is IP65, IP67&IP68 Option Available										
Multiple Module Combinations											
Pin Number	2PIN	3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	USB	RJ45	FIBER	HDMI
Current rated	25A/35A	25A/35A/45A	25A	10A	10A	5A	5A	-	-	-	-

Photos	 										
Item	LM-28-C02PE										
Electrical	Current rated						Operating voltage				
	50A						500V AC				
Environmental	Protection level										
	Standard is IP65, IP67&IP68 Option Available										
Multiple Module Combinations											
Pin Number	2PIN	3PIN	8PIN	-	-	-	-	-	-	-	-
Current rated	50A	35A	15A	-	-	-	-	-	-	-	-



Energy storage system
components solution






Switches




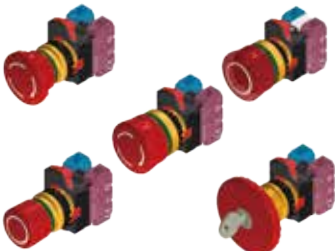








Push button | Cam switches | Emergency stop
Vandal Resistant switches | Other switches






Energy storage system components solution

Switches/ Push button & Emergency stop

Modular range-Screw type			Switch code	A20 series				
Push button	Button style		mounting hole	22mm				
	Bezel material		Rated insulation voltage	600V				
Emergency Stop Switch				Rated thermal current	10A			
	Rated operational current			Rated operational voltage	24V	120V	240V	300V
				AC 50/60 HZ	Resistive Load AC-12(le)	10A	10A	6A
	Inductive Load AC-15(le)			10A	6A	3A	1.9A	
	DC			Rated operational voltage	24V	125V	250V	
				Resistive Load DC-12(le)	8A	2.2A	1.1A	
Inductive Load DC-13(le)	4A	1.1A	0.55A					
Size of wire	2.5mm ² (14AWG) : 1.5mm ² (16AWG)							
IP rating	Panel: IP65							
Max. connections	6 Poles							
Certifications								







Modular range-Screw type			Switch code	A20N series					
Push button	Button style		mounting hole	22mm					
	Bezel material		Rated insulation voltage	600V					
Emergency Stop Switch				Rated thermal current	10A				
	Rated operational current			Rated operational voltage	12V	24V	120V	240V	380V
				AC 50/60 HZ	Resistive Load AC-12(le)	10A	10A	10A	6A
	Inductive Load AC-15(le)			10A	10A	6A	3A	1.9A	
	DC			Rated operational voltage	12V	24V	125V	250V	
				Resistive Load DC-12(le)	10A	10A	2.2A	1.1A	
Inductive Load DC-13(le)	10A	5.8A	1.1A	0.55A					
Size of wire	2.5mm ² (14AWG) : 1.5mm ² (16AWG)								
IP rating	Panel: IP66								
Max. connections	6 Poles								
Certifications									





Modular range-Push-in type			Switch code	AP2 series						
Push button	Button style		mounting hole	22mm						
	Bezel material		Rated insulation voltage	600V						
Rated thermal current			10A							
Rated operational current			Rated operational voltage	12V	24V	120V	240V	380V	480V	
			AC 50/60 HZ	Resistive Load AC-12(le)	10A	10A	10A	6A	3.8A	2A
	Inductive Load AC-15(le)	10A	10A	6A	3A	1.9A	1.5A			
Emergency Stop Switch			Rated operational voltage	12V	24V	125V	250V	400V		
			DC	Resistive Load DC-12(le)	8A	2.2A	1.1A			
				Inductive Load DC-13(le)	4A	1.1A	0.55A			
			Size of wire	2.5mm ² (14AWG) : 0.5mm ² (20AWG)						
IP rating	Panel: IP66									
Max. connections	6 Poles									
Certifications										







Modular range-Flush Sillhouette-Screw type			Switch code	FN series			
Push button	Button style		mounting hole	22mm			
	Bezel material		Rated insulation voltage	600V			
Rated thermal current			10A				
Rated operational current			Rated operational voltage	24V	120V	380V	
			AC 50/60 HZ	Resistive Load AC-12(le)	10A	10A	6A
	Inductive Load AC-15(le)	10A	6A	3A			
Emergency Stop Switch			Rated operational voltage	24V	125V	250V	
			DC	Resistive Load DC-12(le)	10A	2.2A	1.1A
				Inductive Load DC-13(le)	5.8A	1.1A	0.55A
			Size of wire	2.5mm ² (14AWG) : 1.5mm ² (16AWG)			
IP rating	Panel: IP66						
Max. connections	6 Poles						
Certifications							








Energy storage system components solution

Switches/ Push button & Emergency stop

Modular range-Snap-Screw type			Switch code	AS2 series							
Push button	Button style		mounting hole	22mm							
			Rated insulation voltage	600V							
Emergency Stop Switch	Emergency Stop Switch		Rated thermal current	10A							
			Rated operational current	Rated operational voltage		12V	24V	120V	240V	380V	480V
				AC 50/60 HZ	Resistive Load AC-12(le)	10A	10A	10A	6A	3.8A	2A
			Inductive Load AC-15(le)		10A	10A	6A	3A	1.9A	1.5A	
			DC	Rated operational voltage		12V	24V	125V	250V	400V	
				Resistive Load DC-12(le)	8A	2.2A	1.1A				
			Inductive Load DC-13(le)	4A	1.1A	0.55A					
			Size of wire		2.5mm ² (14AWG) : 1.5mm ² (16AWG)						
			IP rating		Panel: IP66						
			Max. connections		6 Poles						
Certifications (Pending)		   									








Modular range-PCB			Switch code	AV2 series							
Push button & Emergency Stop Switch	Button style		mounting hole	22mm							
			Rated insulation voltage	600V							
			Rated thermal current	10A							
			Rated operational current	Rated operational voltage		12V	24V	120V	240V	380V	480V
				AC 50/60 HZ	Resistive Load AC-12(le)	10A	10A	10A	6A	3.8A	2A
			Inductive Load AC-15(le)		10A	10A	6A	3A	1.9A	1.5A	
			DC	Rated operational voltage		12V	24V	125V	250V	400V	
				Resistive Load DC-12(le)	8A	2.2A	1.1A				
			Inductive Load DC-13(le)	4A	1.1A	0.55A					
			Size of wire		2.5mm ² (14AWG) : 1.5mm ² (16AWG)						
			IP rating		Panel: IP66						
			Max. connections		6 Poles						
Certifications (Pending)		  									











Compact range-Screw type			Switch code	C2 series			
Push button	Button style		mounting hole	22mm			
	Bezel material		Rated insulation voltage	300V			
Rated thermal current			5A				
Rated operational current			Rated operational voltage	12V	30V	125V	250V
			AC 50/60 HZ	Resistive Load AC-12(le)	5A	5A	4A
Inductive Load AC-15(le)			5A	5A	3A	1.5A	
DC			Rated operational voltage	12V	30V	125V	250V
	Resistive Load DC-12(le)	1A	1A	0.32A	0.16A		
Inductive Load DC-13(le)	1A	1A	0.22A	0.11A			
Emergency Stop Switch		Size of wire	1.5mm ² (16AWG) : 0.2mm ² (26AWG)				
		IP rating	Panel: IP66				
		Max. connections	2 Poles				
		Certifications	 				
							











Compact range-Push-in type			Switch code	CP2 series				
Push button	Button style		mounting hole	22mm				
	Bezel material		Rated insulation voltage	400V				
Rated thermal current			8A					
Rated operational current			Rated operational voltage	12V	24V	120V	240V	380V
			AC 50/60 HZ	Resistive Load AC-12(le)	8A	8A	8A	6A
Inductive Load AC-15(le)			8A	8A	6A	3A	1.9A	
DC			Rated operational voltage	12V	24V	125V	250V	400V
	Resistive Load DC-12(le)	2.5A	2.5A	1.1A	0.55A	0.3A		
Inductive Load DC-13(le)	2.8A	2.5A	0.55A	0.27A	0.15A			
Emergency Stop Switch		Size of wire	1.5mm ² (16AWG) : 0.3mm ² (22AWG)					
		IP rating	Panel: IP66					
		Max. connections	2 Poles					
		Certifications	  					
								











Energy storage system components solution

Switches/ Push button & Emergency stop

Compact range-M12 Cables type			Switch code	CP2-E series			
Push button 	Button style 		mounting hole	30mm			
			Rated insulation voltage	250V			
Emergency Stop Switch 			Rated thermal current	4A			
			Rated operational current	Rated operational voltage	12V	24V	120V
AC 50/60 HZ	Resistive Load AC-12(le)	4A		4A	4A	3A	
	Inductive Load AC-15(le)	4A	4A	3A	1.5A		
Emergency Stop Switch 			Rated operational voltage	12V	24V	125V	250V
			DC	Resistive Load DC-12(le)	2.5A	2.5A	1.1A
Inductive Load DC-13(le)	2.5A	2.3A		0.55A	0.27A		
			Size of cables	M12			
			IP rating	Panel: IP66			
			Max. connections	2 Poles			
			Certifications	 			

Explosion proof-Increased safety type			Switch code	AEx3 series			
Push button 	Button style 		mounting hole	22mm			
			Rated insulation voltage	600V			
Emergency Stop Switch 			Rated thermal current	10A			
			Rated operational current	Rated operational voltage	12V	240V	380V
AC 50/60 HZ	Resistive Load AC-12(le)	24A		30A	19A	12A	
	Inductive Load AC-15(le)	50A	15A	9.5A	6A		
Emergency Stop Switch 			Rated operational voltage	24V	24V	125V	250V
			DC	Resistive Load DC-12(le)	25A	5.5A	3.4A
Inductive Load DC-13(le)	25A	2.8A		1.7A	1.1A		
			Size of wire	2.5mm ² (14AWG) : 1.5mm ² (16AWG)			
			IP rating	Panel: IP66 & IP54			
			Max. connections	3 Poles			
			Certifications	    			

Explosion proof-Flameproof enclosure type		Switch code	AEN3 series						
Push button	 Button style		mounting hole		M32xP1.5				
			Rated insulation voltage		600V				
Emergency Stop Switch		 	Rated thermal current		10A				
			Rated operational current	Rated operational voltage		12V	24V	120V	240V
AC 50/60 HZ	Resistive Load AC-12(le)			10A	10A	10A	6A	3.8A	
	Inductive Load AC-15(le)		10A	10A	6A	3A	1.9A		
Emergency Stop Switch		 	Rated operational voltage		12V	24V	125V	250V	
			DC	Resistive Load DC-12(le)		10A	10A	2.2A	1.1A
Inductive Load DC-13(le)		10A		5.8A	1.1A	0.55A			
		Size of wire		2.5mm ² (14AWG) : 1.5mm ² (16AWG)					
		IP rating		Panel: IP66					
		Max. connections		6 Poles					
		Certifications (Pending)		   					

Explosion proof-Flameproof enclosure type		Switch code	AEP3 series								
Push button	 Button style		mounting hole		M32xP1.5						
			Rated insulation voltage		600V						
Emergency Stop Switch		 	Rated thermal current		10A						
			Rated operational current	Rated operational voltage		12V	24V	120V	240V	380V	480V
AC 50/60 HZ	Resistive Load AC-12(le)			10A	10A	10A	6A	3.8A	2A		
	Inductive Load AC-15(le)		10A	10A	6A	3A	1.9A	1.5A			
Emergency Stop Switch		 	Rated operational voltage		12V	24V	125V	250V	400V		
			DC	Resistive Load DC-12(le)		8A	2.2A	1.1A			
Inductive Load DC-13(le)		4A		1.1A	0.55A						
		Size of wire		2.5mm ² (14AWG) : 1.5mm ² (16AWG)							
		IP rating		Panel: IP66							
		Max. connections		6 Poles							
		Certifications (Pending)		   							

Emergency Stop Switch



A20B-V4E21R



A20NE-BPE11R



A20NE-K4E11R



A20NE-P6E11R



CP2E-P3ExxR-E



CP2E-T4ExxR-E

Illuminated Emergency Stop Switches

NO.	A20E-LV (Mushroom)	AP2E-LV (Mushroom)	C2E-LP (Mushroom)	CP2E-LV (Mushroom)
Photo				
Certifications				

Emergency switches operation types



BV



BP



BT



LV



LP



LT



K3



K4



K6



P3



P4



P6



T3



T4











T6

Energy storage system components solution

Switches/ Vandal Resistant switches



Series	Switch - F24 / F34 / F25 / F29 / F39				
Photo					
	Vandal Resistant Switch	Insert Molding Switch	Detachable Switch		
Rating	Rated Insulation Voltage (Ui)	250V			
	Rated Thermal Current (Ith)	5 A			
	Operating Voltage(AC/DC) (Ue)	12V	30V	125V	250V
	AC(50/60 Hz) Resistive Load (Ie)	5.0A	5.0A	4.0A	2.0A
	AC(50/60 Hz) Inductive Load (Ie)	5.0A	5.0A	3.0A	1.5A
	DC Resistive Load (Ie)	1.0A	1.0A	0.32A	0.16A
	DC Inductive Load (Ie)	1.0A	1.0A	0.22A	0.11A
Mounting hole	19mm / 22mm				
Terminal	Solder				
IP	IP65 / IP67				
Certification	    				

Accessories

Dust Cap




PCB Board Terminal

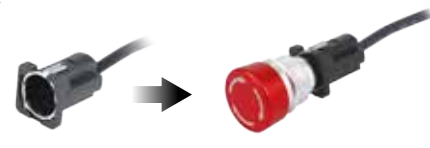


Accessories


Protection Cap





Quick Connector





Switch

Series	Switch - F24 / F34				
Photo	 <p style="text-align: center;"> Key Selector Switch Selector Switch Pushlock Turn Clockwise to Reset Switch </p>				
Rating	Rated Insulation Voltage (Ui)	250V			
	Rated Thermal Current (Ith)	5 A			
	Operating Voltage(AC/DC) (Ue)	12V	30V	125V	250V
	AC(50/60 Hz) Resistive Load (Ie)	5.0A	5.0A	4.0A	2.0A
	AC(50/60 Hz) Inductive Load (Ie)	5.0A	5.0A	3.0A	1.5A
	DC Resistive Load (Ie)	1.0A	1.0A	0.32A	0.16A
	DC Inductive Load (Ie)	1.0A	1.0A	0.22A	0.11A
Mounting hole	19mm / 22mm				
Terminal	Solder				
IP	IP65				

Series	Switch - F26					
Photo						
Rating	Rated Insulation Voltage (Ui)	300V				
	Rated Thermal Current (Ith)	5 A (AC) / 1A (DC)				
	Operating Voltage(AC/DC) (Ue)	24V	120V	125V	240V	250V
	AC(50/60 Hz) Resistive Load (Ie)	5.0A	5.0A	5.0A	5.0A	5.0A
	AC(50/60 Hz) Inductive Load (Ie)	5.0A	3.0A	3.0A	1.5A	1.5A
	DC Resistive Load (Ie)	5.0A	0.4A	0.4A	0.2A	0.2A
	DC Inductive Load (Ie)	1.0A	0.22A	0.22A	0.11A	0.11A
Mounting hole	19mm					
Terminal	Solder					
IP	IP67					
Certification						

Energy storage system components solution


Switches/ Vandal Resistant switches

Series	Switch - F12 / F13			
Photo				
Rating	48V DC, 100mA			
Mounting hole	16mm			
Terminal	Solder			
IP	IP67			
Certification				



Series	Switch - A20				
Photo					
Rating	Rated Insulation Voltage (Ui)	600V			
	Rated Thermal Current (Ith)	10 A			
	Operating Voltage(AC/DC) (Ue)	24V	120V	240V	380V
	AC(50/60 Hz) Resistive Load (Ie)	10A	10A	6.0A	2.0A
	AC(50/60 Hz) Inductive Load (Ie)	10A	6.0A	3.0A	1.9A
	DC Resistive Load (Ie)	8.0A	2.2A	1.1A	
	DC Inductive Load (Ie)	4.0A	1.1A	0.55A	
Mounting hole	22mm / 30mm				
Terminal	Contact Block				
IP	IP65				
Certification					

Pilot Light

Series	Pilot Light - F46 / F66 / F16				
Photo	 <p style="text-align: center;">F46 F66 F16</p>				
Rating	Rated Voltage (DC)	3V	6V	12V	24V
	Rated Current - White (ref.)	4.5mA	11mA	4.5mA	5.4mA
	Rated Current - Blue (ref.)	4.5mA	11mA	4.5mA	5.4mA
	Rated Current - Green (ref.)	4.5mA	11mA	4.5mA	5.4mA
	Rated Current - Red (ref.)	5.0mA	12mA	5.0mA	5.6mA
	Rated Current - Amber (ref.)	5.0mA	12mA	5.0mA	5.6mA
Mounting hole	8mm / 12mm / 16mm				
Terminal	Solder				
IP	IP67				
Certification					

Series	Pilot Light - F24 / F34			
Photo				
Rating	Rated Voltage (DC)	6V	12V	24V
	Rated Current - White (ref.)	5.0mA	5.0mA	5.0mA
	Rated Current - Blue (ref.)	11mA	7.5mA	5.3mA
	Rated Current - Green (ref.)	5.0mA	5.0mA	5.0mA
	Rated Current - Red (ref.)	11mA	7.5mA	5.3mA
	Rated Current - Amber (ref.)	11mA	7.5mA	5.3mA
Mounting hole	19mm / 22mm			
Terminal	Solder			
IP	IP67			

Series	Buzzer - F24 / F34
Photo	
Rating	12-24V DC, 3Amp
Mounting hole	19mm / 22mm
Terminal	Solder
IP	IP40

Cam switch code	K10	K20	K25	K32	K63
Photo					
Rated voltage	690V				
Impulse withstand Voltage	4KV	6KV			
Thermal current	10A	20A	25A	32A	63A
Breaking capacity 220V/240V 380V/440V 660V/690V	120A	180A	200A	220A	350A
	120A	180A	200A	220A	350A
	80A	125A	130A	135A	190A
Certifications					

Contact Block Type

- 1 : Type1 Pole No. U-D
- 2 : Type2 Pole No. U-D
- 3 : Type3 Pole No. U-D
- A : Type1 Pole No. L-R
- B : Type2 Pole No. L-R
- C : Type3 Pole No. L-R

Mounting Type

- 1 : Single Hole Φ 16
- 2 : Single Hole Φ 22
- 3 : Single Hole Φ 30
- S : Screw Mounting
- B : 4 Holes Base Mounting
- H : 2 Horizontal Holes Base Mounting
- V : 2 Vertical Holes Base Mounting
- R : Din Rail Mounting
- D : Door Clutch Mounting

Escutcheon Frame Size

- 0 : Round Φ 38.5
- 3 : Square 30x30
- 4 : Square 48x48
- 6 : Square 64x64
- A : Rectangle W30xH39
- B : Rectangle W48xH60
- C : Rectangle W64xH78








Horizontal Limit Switch



Model Number	SLZ	SLZC	SL4MC	SLZE	SL4E
Appearance					
Product Name	Microload Switch	Compact Limit Switch	High Utility Enclosed Switch	General-purpose Enclosed Switch	Miniature Sealed Switch

Vertical Limit Switch



Model Number	SL4V	SL4C	SL51	SLMD	SLKP
Appearance					
Product Name	Miniature Enclosed Limit Switch	Enclosed Limit Switch	2-Circuit limit switches	Miniature metal switches	Vertical compact switches

Safety Limit Switch

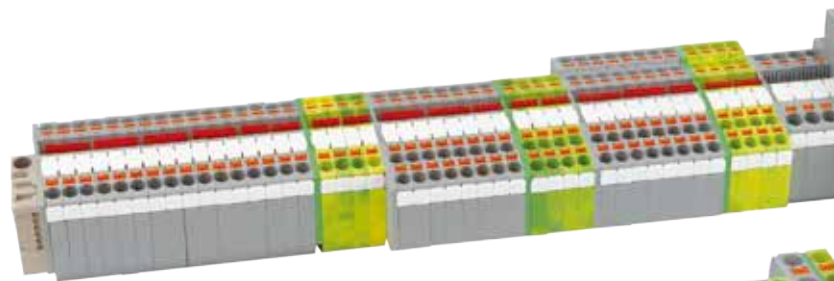


Model Number	SL4B	SL4N	SL4NS	SLNR
Appearance				
Product Name	Safety Limit Switch	Miniature Safety Limit Switch	Miniature Safety Limit Switch	Miniature metal Switches
Body Dimensions	40x77x40	31x64x30	31x96x30	90x30x38
Mounting Spec.	30x60	22x20	22x20	22x20
Certified Standard	IEC60947-5-1 EN60947-5-1 UL508 GB 14048.5	IEC60947-5-1 EN60947-5-1 UL508 GB 14048.5	IEC60947-5-1 EN60947-5-1 UL508 GB 14048.5	IEC60947-5-1 EN60947-5-1 UL508
Degree of protection	IP67	IP67	IP67	IP65
Ratings	2A 400V	5A 250VAC	5A 250VAC	3A/240VAC 0.1A/250VDC



Energy storage system
components solution

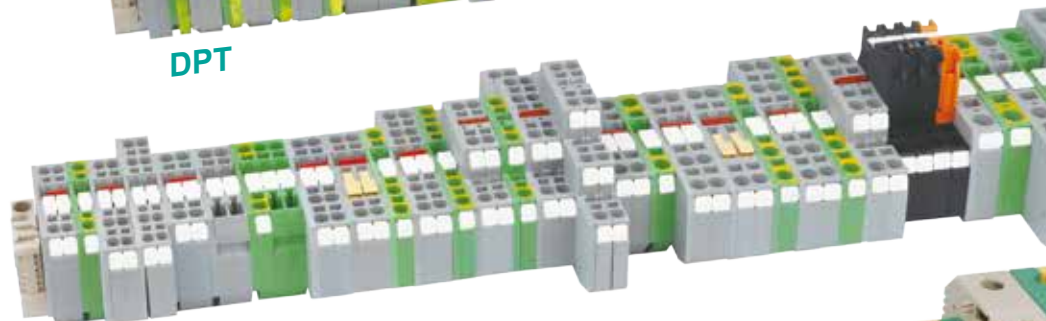
Din rail terminal blocks



DPTO



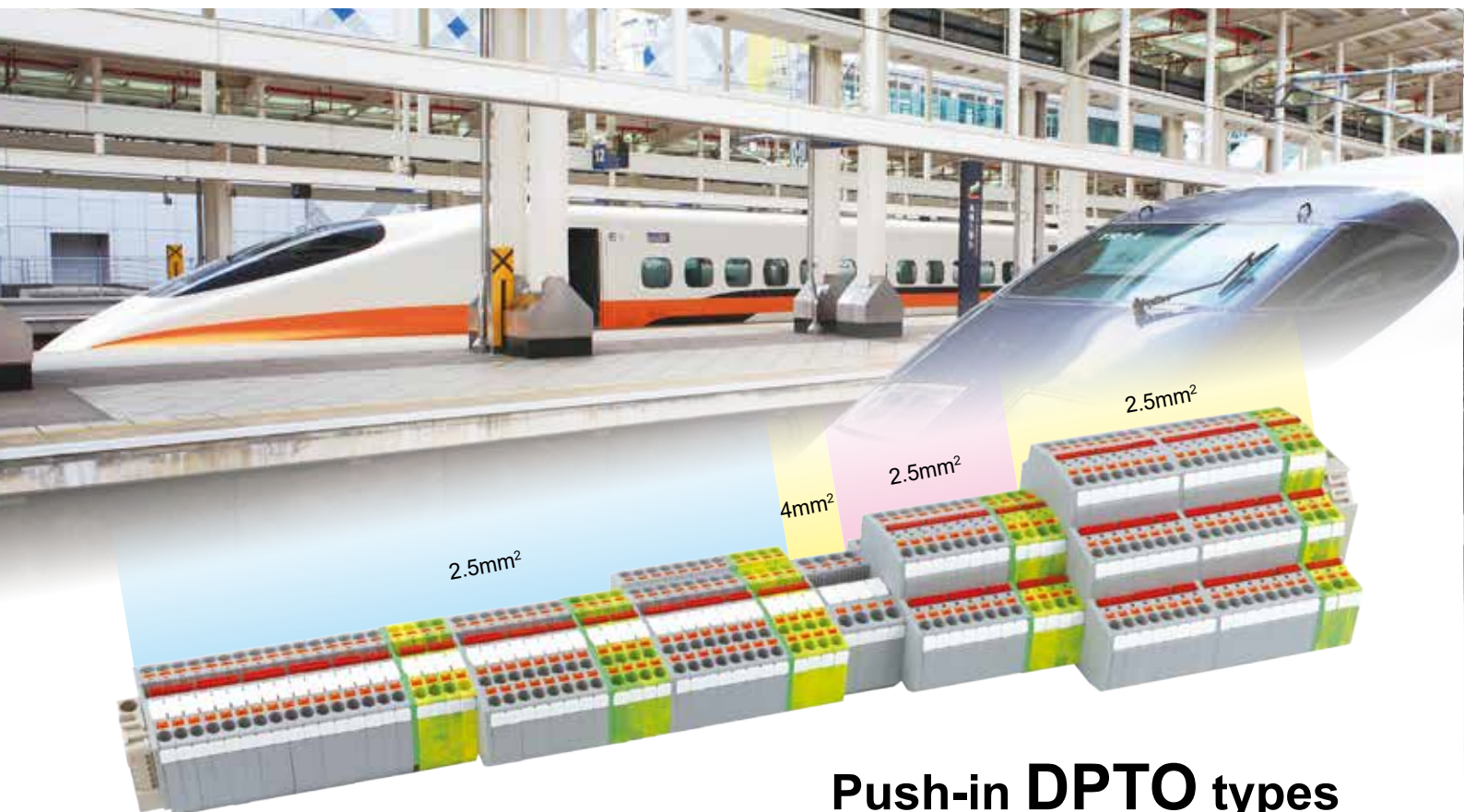
DPT



DST

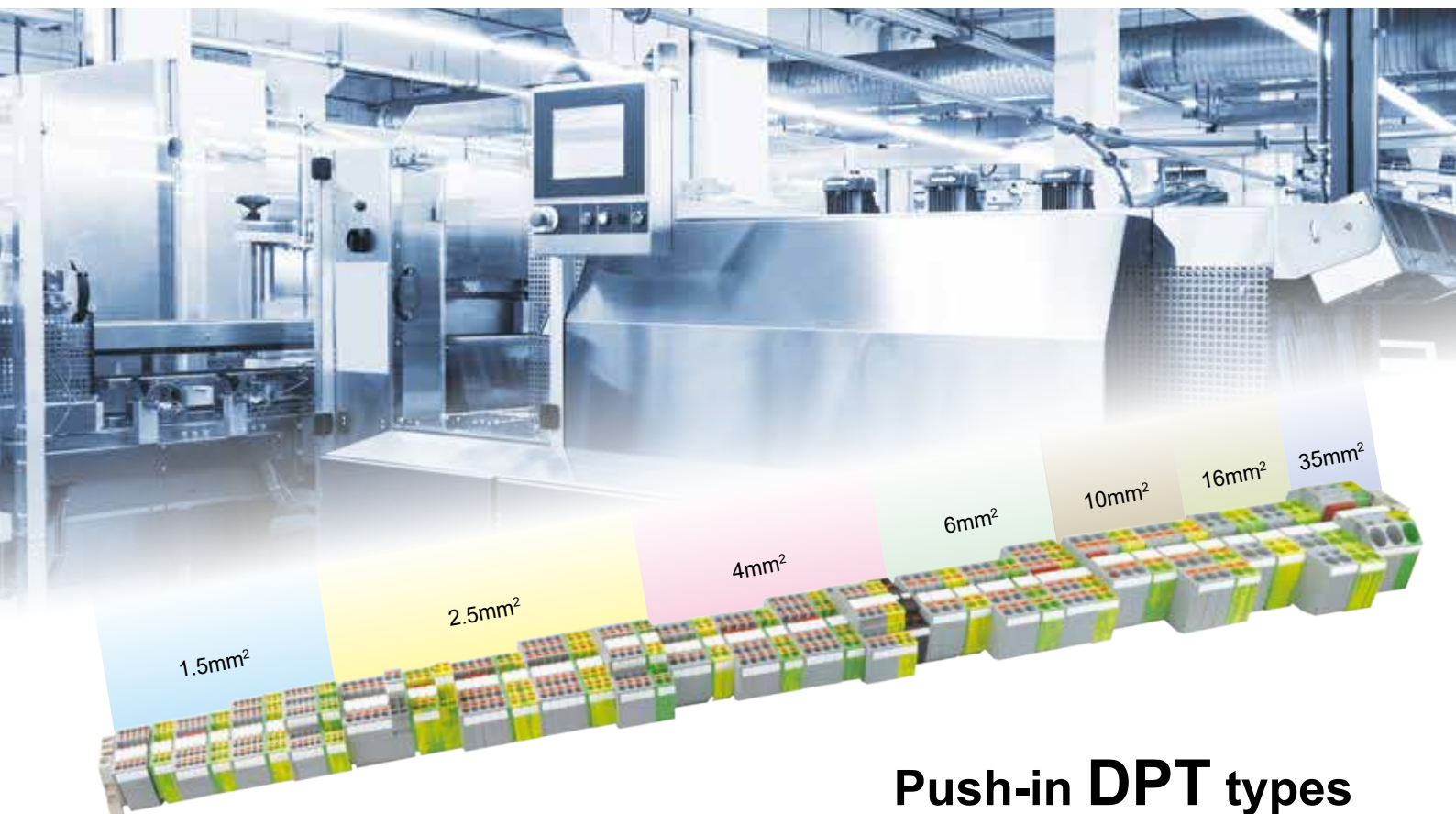


CDU



Push-in DPTO types

Photos			
Insulating impulse voltage	6~8KV		
Pollution degree	3		
Rated Voltage & Rated current	Cross sectional area	2.5mm ²	4.0mm ²
	Current	600V/ 20A	600V/ 30A
Certifications			

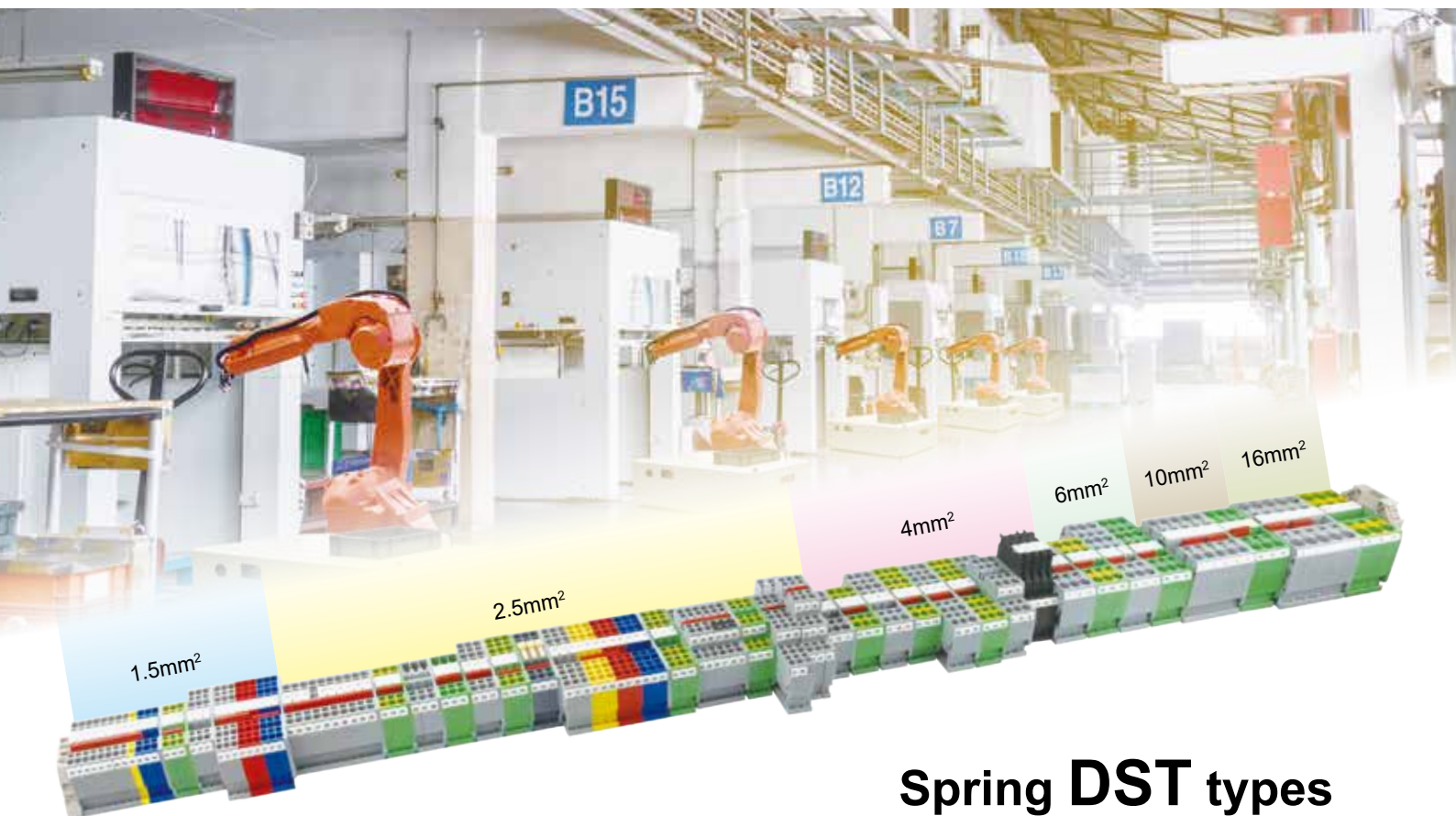


Push-in DPT types

Photos					
Insulating impulse voltage	6~8KV				
Pollution degree	3				
Rated Voltage & Rated current	Cross sectional area	1.5mm ²	2.5mm ²	4.0mm ²	6.0mm ²
	Current	600V/ 15A	600V/ 20A	600V/ 30A	600V/ 43A
	Cross sectional area	10mm ²	16mm ²	35mm ²	
	Current	600V/ 60A	600V/ 85A	600V/ 115A	
Certifications					

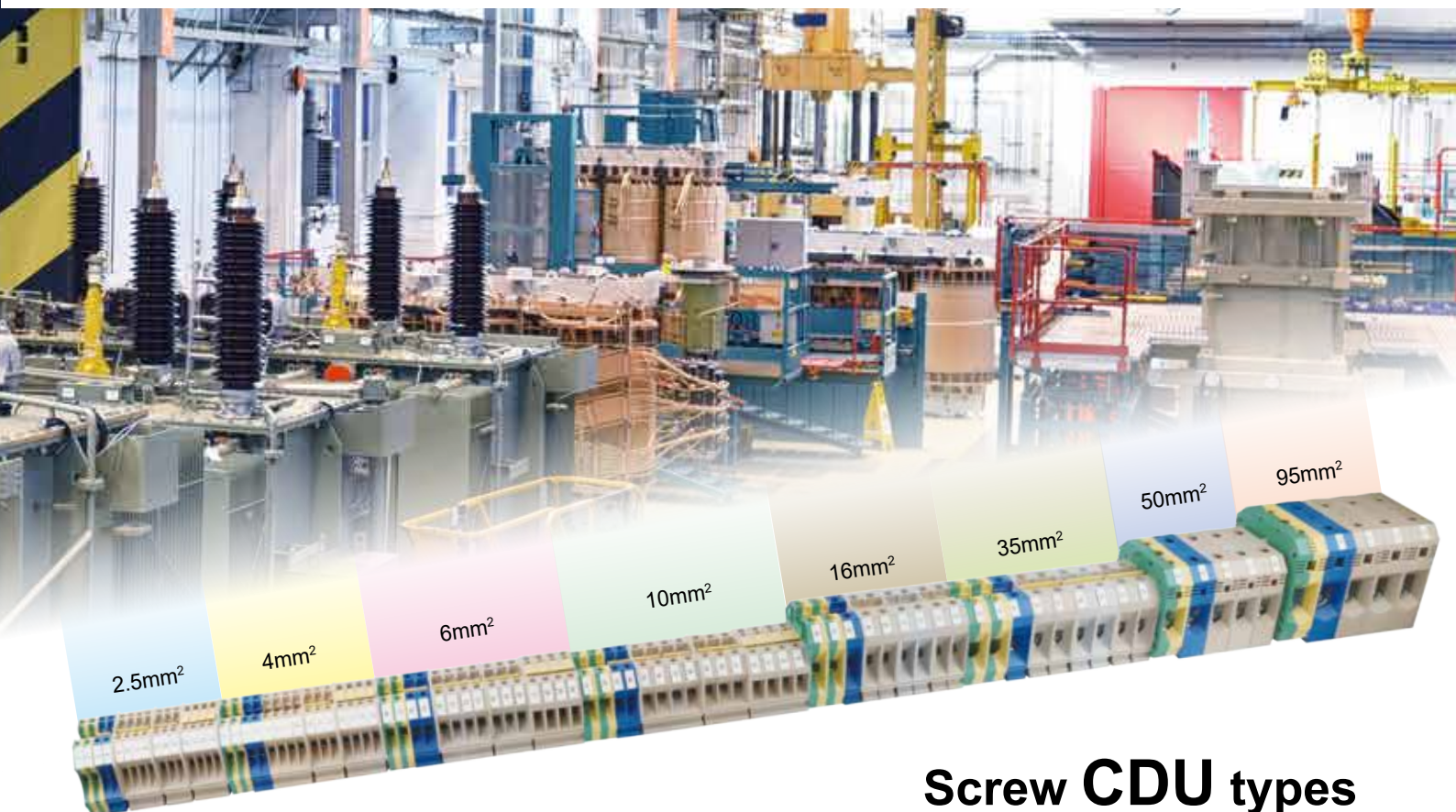
Energy storage system components solution

Terminal Block series/ DST



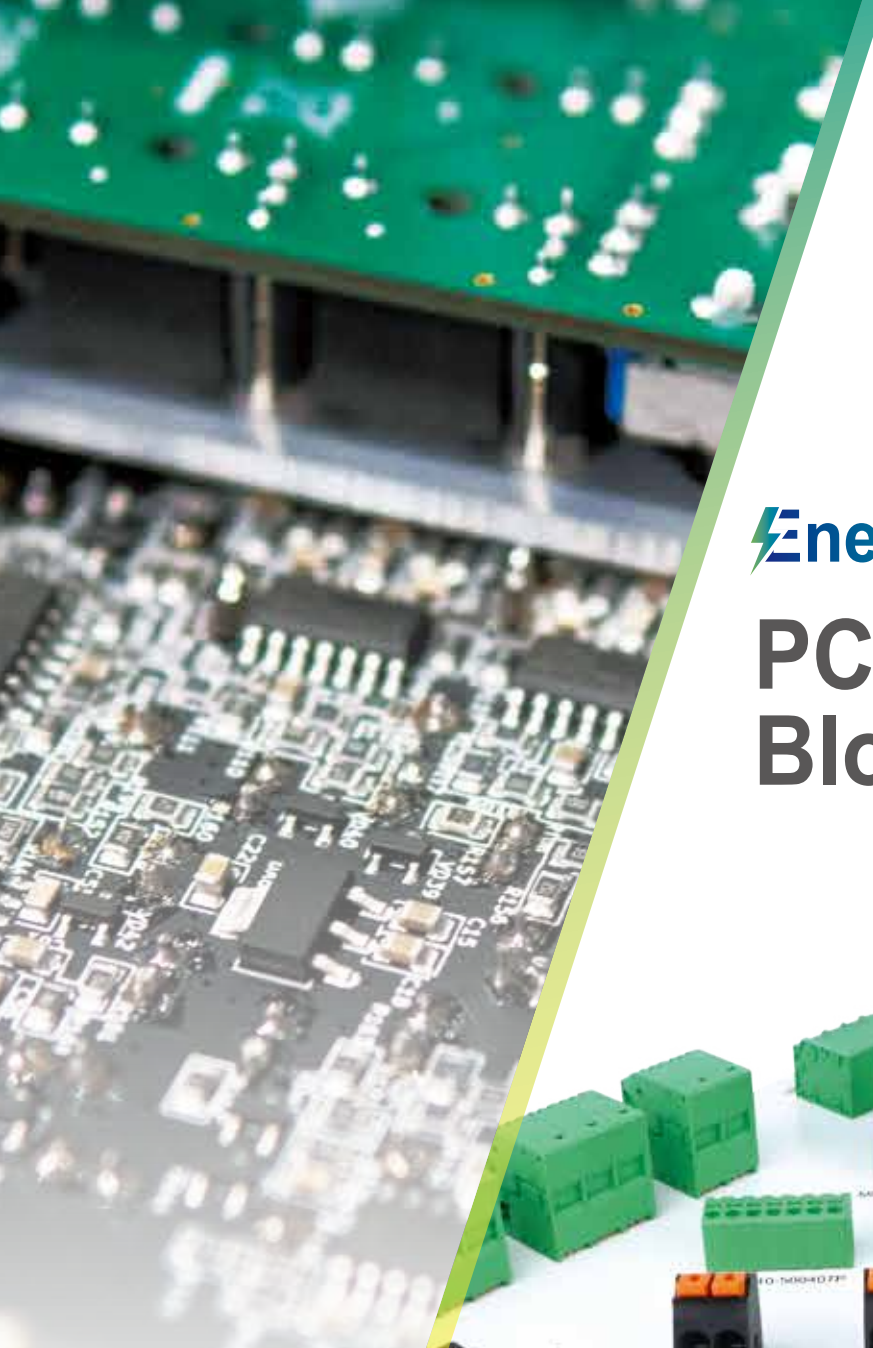
Spring DST types

Photos					
Insulating impulse voltage	6~8KV				
Pollution degree	3				
Rated Voltage & Rated current	Cross sectional area	1.5mm ²	2.5mm ²	4.0mm ²	6.0mm ²
	Current	600V/ 15A	600V/ 20A	600V/ 30A	600V/ 48A
	Cross sectional area	10mm ²	16mm ²		
	Current	600V/ 65A	600V/ 80A		
Certifications					



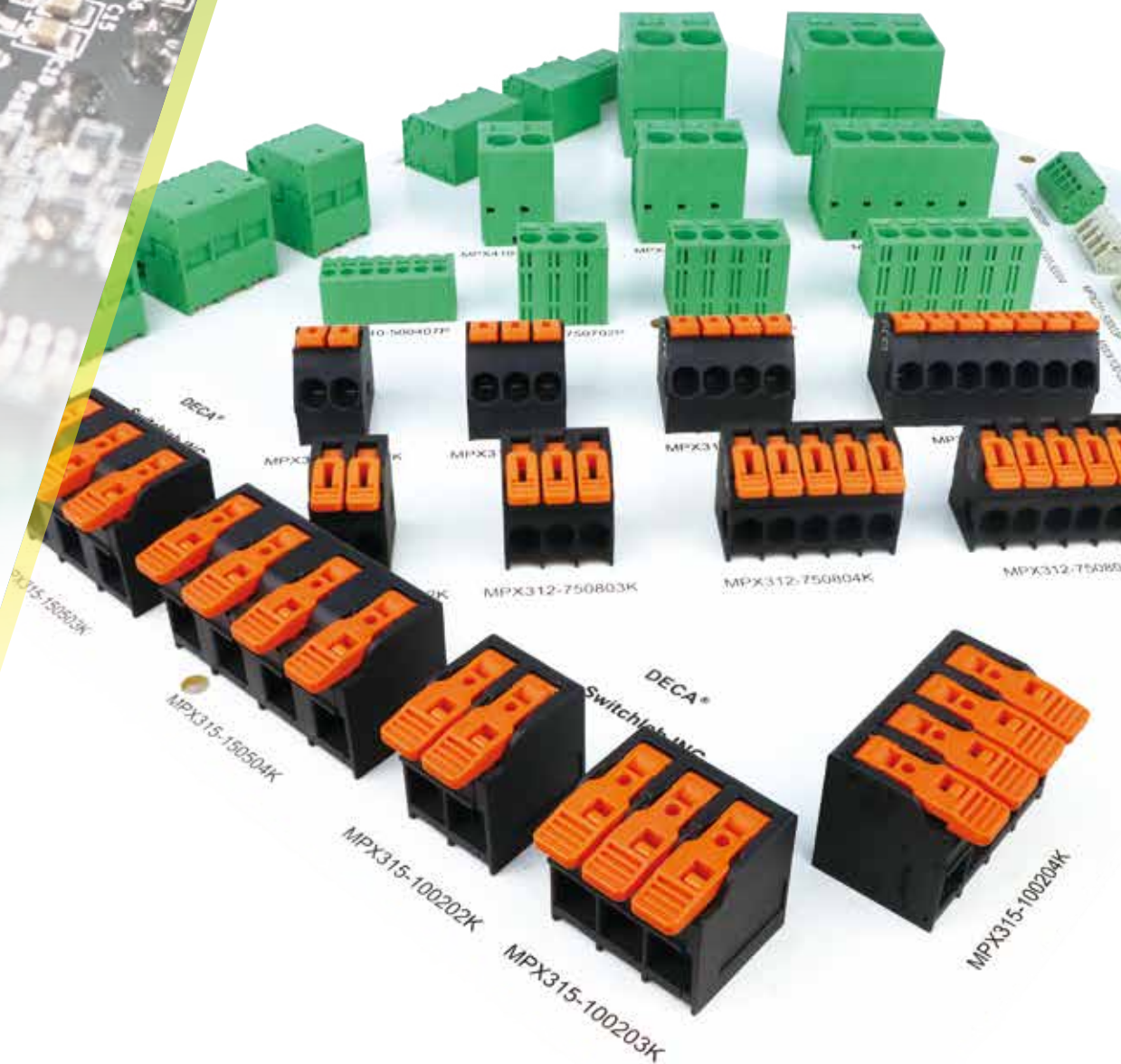
Screw CDU types

Photos					
Insulating impulse voltage	6~8KV				
Pollution degree	3				
Rated Voltage & Rated current	Cross sectional area	2.5mm ²	4.0mm ²	6.0mm ²	10mm ²
	Current	600V/ 24A	600V/ 35A	600V/ 50A	600V/ 65A
	Cross sectional area	16mm ²	35mm ²	50mm ²	95mm ²
	Current	600V/ 85A	600V/ 115A	1000V/ 150A	1000V/ 230A
	Cross sectional area	150mm ²			
	Current	1000V/ 275A			
Certifications					



























Energy storage system
components solution










PCB Terminal Blocks















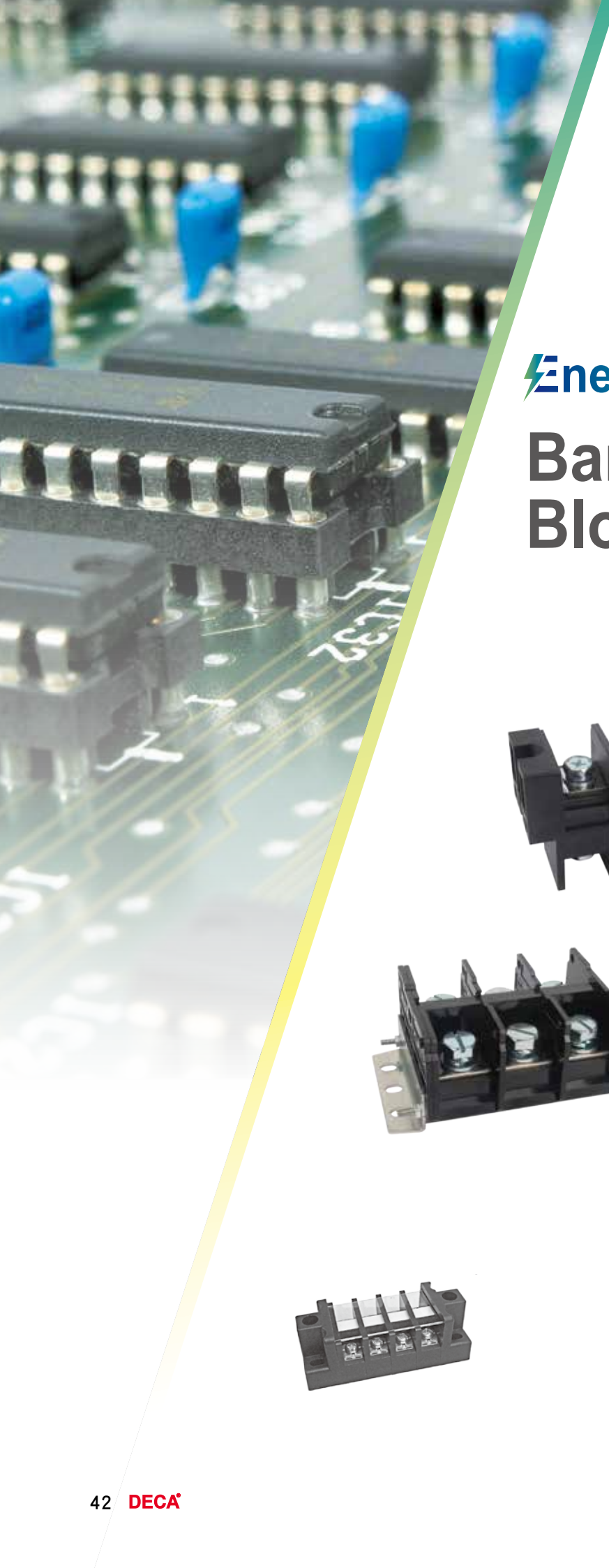
PCB Terminal blocks for energy storage

NO.	MH110-016M	MH120-016M	MH130-150	MH131-150	MH140-635	MH140-635M
Photos						
Pitch	10.16mm	10.16mm	15.00mm	15.00mm	6.35mm	6.35mm
Poles	2~3poles	2~3poles	2~8poles	2~8poles	2~8poles	2~30poles
Approval						
Ratings	57A 300V	65A 300V	125A 600V	125A 600V	35A 600V	35A 600V

NO.	MH140-016M	MH150-635M	MH160-016M	MPX231-500	MPX232-500	MPX233-500
Photos						
Pitch	10.16mm	6.35mm	10.16mm	5.00/5.08mm	5.00/5.08mm	5.00/5.08mm
Poles	2~8poles	2~8poles	2~3poles	2~24poles	4~48poles	6~72poles
Approval						
Ratings	60A 600V	35A 600V	57A 300V	15A 300V	20A 300V	20A 300V

NO.	MPX242-500	MPX243-500	MPX251-500	MPX252-500	MPX253-500	MPX312-750
Photos						
Pitch	5.00/5.08mm	5.00/5.08mm	5.00/5.08mm	5.00/5.08mm	5.00/5.08mm	7.50mm
Poles	2~48poles	3~72poles	2~27poles	2~52poles	3~72poles	2~12poles
Approval						
Ratings	15A 300V	15A 300V	15A 300V	15A 300V	15A 300V	30A 300V

NO.	MPX315-100	MPX315-150	MPX410-750	MPX410-100	MPX420-750	MPX420-100
Photos						
Pitch	10.00mm	15.00mm	7.50mm	10.00mm	7.5mm	10.00mm
Poles	2~8poles	2~8poles	2~12poles	2~9poles	2~12poles	2~9poles
Approval						
Ratings	51A 600V	66A 600V	36A 600V	66A 600V	36A 600V	66A 600V

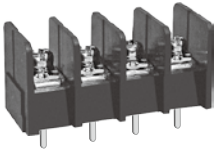

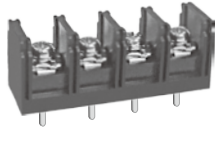



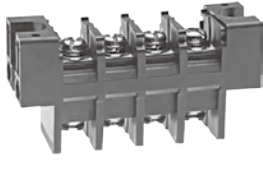






Energy storage system
components solution

Barrier Terminal Blocks



Barrier Terminal Blocks for energy storage

NO.	TA6	TA7	TFDM	TBC
Photos	 c  CE	 c  CE	 c  CE	 c  CE
Rated voltage	600V	600V	600V	600V
Rated current	30A	40A	30A	115A
Pitch	11	13	12.7	16
Pole	2~10	2~12	2~16	2~16

NO.	TBQM-W03	TFPM-W03	TFJM-W03
Photos	 c  CE	 c  CE	 c  CE
Current rating	175Amp/ 600V	230Amp/ 600V	380Amp/ 600V
Wire range	2/0 ~10 AWG	4/0 ~8 AWG	3/0 ~6 AWG
Pitch	33.0mm	33.0mm	45.0mm
Pole	1~12	1~12	1~12

TK-20



CE

Rated voltage	600V	Rated current	20A
Dimension			

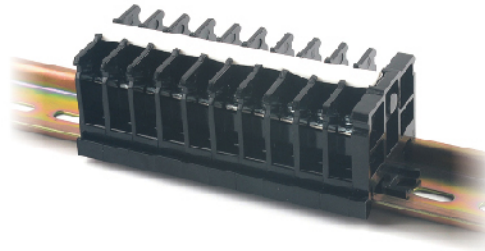
TK-40



CE

Rated voltage	600V	Rated current	40A
Dimension			

TK-60



CE

Rated voltage	600V	Rated current	60A
Dimension			

TK-100



CE

Rated voltage	600V	Rated current	100A
Dimension			



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