



MOREDAY



MORE THEN SOLAR

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Company renderings, subject to actual conditions

COMPANY PROFILE

Founded in 2009, Moreday Solar is a R&D and manufacturing company integrating photovoltaics and new energy industry. The original intention of Moreday Solar is to bring more clean energy to the world and enjoy a better life.

The company's main products: photovoltaic convergence and grid-connected products, low-voltage electrical, energy storage and application products, solar power transmission and distribution products and solar system manufacturing.

The company takes solar energy sharing as its vision, technological innovation as its driving force, customer-oriented, and has obtained more than 30 national patents. Its products have passed CQC, CE, CB, TUV, ROHS and other certifications, and ISO9001 quality system certification, with more than 1,000 services. Customers, the products are exported to more than 50 countries in Europe, America, Southeast Asia, the Middle East and other regions.

We hope to work with more partners to bring solar energy to every region of the world, promote the widespread use of green and clean energy, and leave more day for the earth



President's thoughts

As we look back on 2020, I am proud of how we adapted to the challenges that came our way. We took care of our employees, provided for our customers and partners, and prospered along the way.

We are optimistic about our resilience, flexibility, and solid business processes, reflecting the best in sustainability.

Sustainability is at our core at MOREDAY and our purpose remains to advance a sustainable future for all. As part of our commitment, we released our Reports on the development of the photovoltaic field in the next five years and better sustainable approaches. As we work towards an equitable energy future for all, we are aware of the importance of mobilizing the world to reduce the carbon footprint and electrify the planet.

We will continue to work hard to deliver high quality products that produce clean energy, save our customers money, and provide them with complete energy independence. Looking forward in 2021, we are excited about the strength in worldwide demand for solar, the ramp of our solar systems and upcoming new products, the higher levels of customer service, and our ongoing digital transformation efforts.

As always, I thank our employees, customers, partners, and shareholders for their continued support.

we will continue with our mission to deliver technology solutions that make clean energy affordable, reliable and accessible to all.

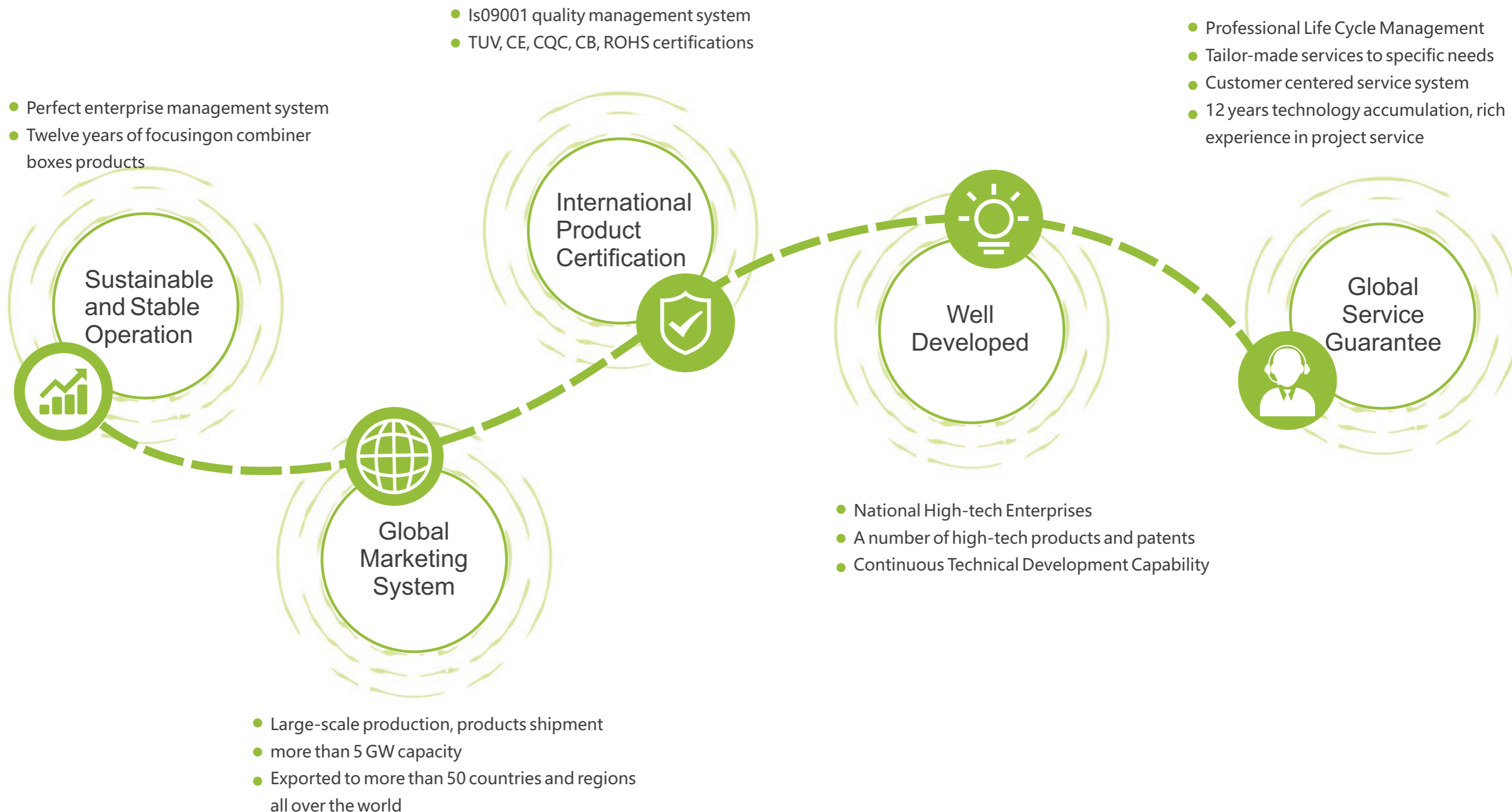
To be continued, More than solar



Dedao Huang
President and CEO

Oct.20, 2021

Corporate Advantage



Enterprise honor and qualification



PATENT FOR INVENTION

UTILITY MODEL PATENT CERTIFICATE

DESIGN PATENT CERTIFICATE

TECHNOLOGY-BASED ENTERPRISE



ISO14001

ISO9001

ISO45001



CE



CQC

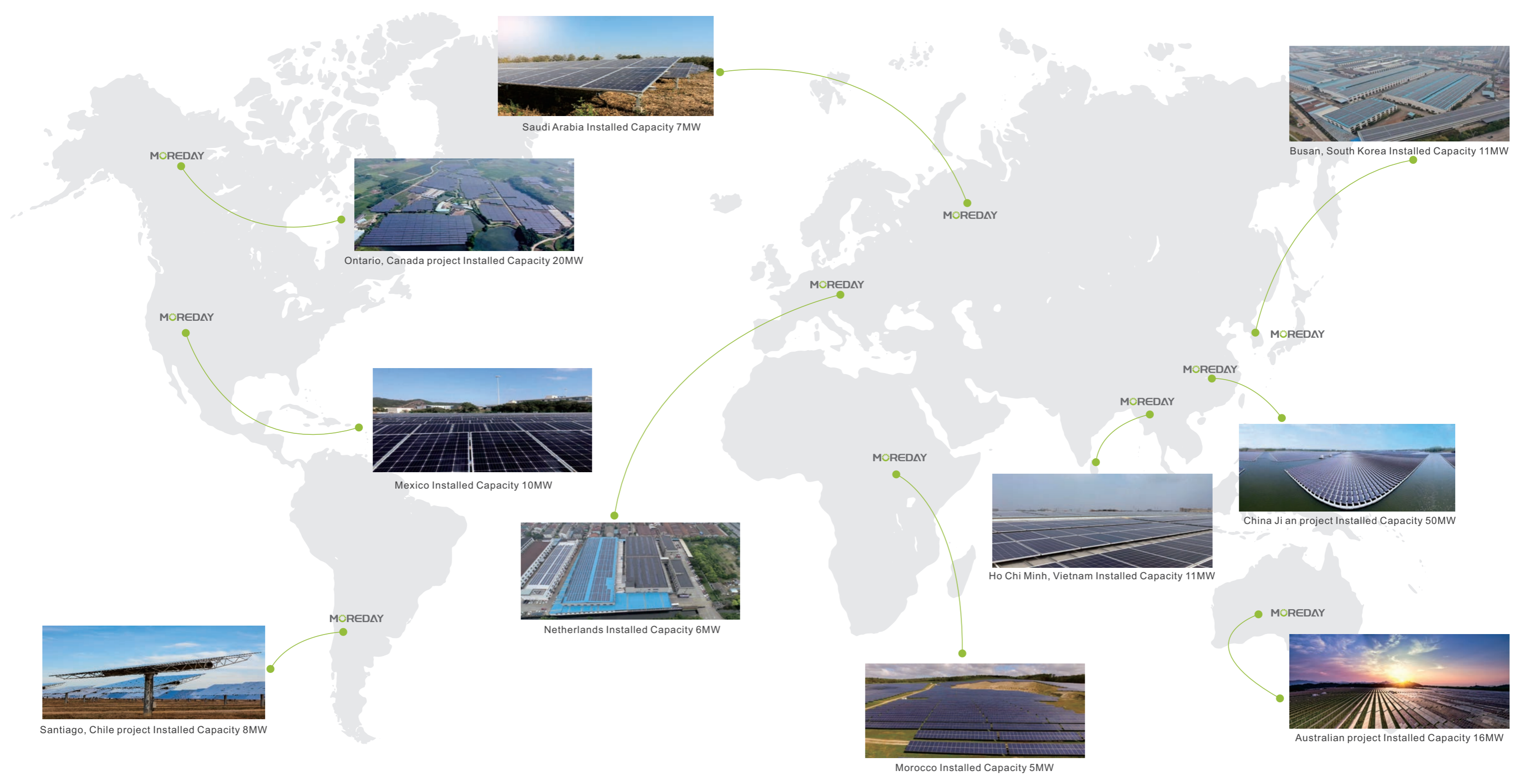
- Member of Asian Photovoltaic Industry Association
- National high-tech enterprise
- Well-known brands in China's photovoltaic industry in 2019
- Caring for employees and caring enterprises in 2020

- 2019、2020 SNEC Megawatt jade Award
- 2020 Outstanding Photovoltaic Enterprise
- Chinese technology-based SMEs
- Zhejiang Promise-keeping 3A Enterprise

MOREDAY

Corporate partner





50+ Exporting Countries
5GW+ Cumulative shipments
30+ Patents
12yrs Industry experience
1000+ Global customers



MDPV-30(1000V)



MDPV-32(1500V)



► **Overview**

The MDPV-30/32 series of photovoltaic fuses are mainly used in the solar photovoltaic power generation DC combiner box to break the line overload and short-circuit current generated by the current feedback of the solar panel photovoltaic modules and inverters that may generate solar energy, thereby protecting For the use of solar photovoltaic panels, fuses can also be optionally used in any other DC circuit for line overload and short circuit protection of electrical components.

► **Use environment**

The upper limit of ambient air temperature does not exceed +90°C, and the lower limit of air temperature is not lower than -40°C;
 The altitude of the installation site does not exceed 3000m;
 At a maximum temperature of +40°C, the relative humidity of the air does not exceed 50%, allowing higher humidity at lower temperatures, for example, up to 90% at +25°C. Special measures should be taken for condensation that occasionally occurs due to temperature changes;
 In a medium free of explosion hazard, and where there is no sufficient gas or conductive dust to corrode the metal and destroy the insulation;
 Pollution degree 3.

► **Terminals /connection**

Type designation	MDPV-32	MDPV-30
Type designation	---	---
Type of Terminal	Pillar terminal	Pillar terminal
Material/plating of the terminal	Zinc plated Steel	Zinc plated Steel
Material/plating of the washer	Zinc plated Copper	Zinc plated Copper
Material/plating of the screw	Zinc plated Iron	Zinc plated Iron
Type of conductor	Flexible: 2.5mm ² -6mm ² , Copper type; hard wire: 2.5mm ² -6mm ²	
Connectable conductors	2.5mm ² -6mm ²	2.5mm ² -6mm ²
ISO(mm2) or AWG number		
metric equivalent (mm2)		
Number of conductors per terminal	1	1
Required preparation of the conductor	Example: No prepared conductor	
Max. Stripping length (mm)	8 mm	8 mm
Tightening torque (N•m)	2Nm, M5	2Nm, M5

► Technical Parameters

Type designation	MDPV-32	MDPV-30
Ambient temperature	-5C~+40C	-5C~+40C
Contact material	Copper (T2Y)	Copper (T2Y)
Contact form	Form U	Form U
Interrupting medium	Air	Air
- method of operation:		
- suitability for isolation	suitable	suitable
- degree of protection:		
- kind of current	DC	DC
in the case of a.c., number of phases and rated frequency		
-breaking arrangement for fused devices:	Double Break	Double Break
Rated and limiting values, main circuit	/	/
- rated operational voltage Ue (V):	1500V DC	1000V DC
- rated insulation voltage Ui (V):	1800V DC	1200V DC
- rated impulse withstand voltage Uimp (kV):	8kV	6kV
Rated operational voltage Ue	1500 V DC	1000 V DC
Rated operational current Ie	32 A	30 A
Insulation voltage	1800 V	1200 V
Conventional free air thermal current(Ith)	32A	30A
Conventional enclosed thermal current(Ithe)	32A	30A
Utilization category	DC-20A	DC-20A
Rated short-time withstand current	--	--
Rated short-circuit making current	--	--
Conditional short-circuit current	25 kA	20 kA
Short circuit protective device	Tested with fuse-link: YRPV-32 (SOLAR, gPV, 10x85, DC 1500V, 32A, Interrupting Capacity: 25kA)	Tested with fuse-link:YRPV-30 (SOLAR, gPV, 10x38, DC 1000V, 30A, Interrupting Capacity: 20kA)
IP code	Ip20	Ip20
Pollution degree	3	3
Suitability for isolation	-	-