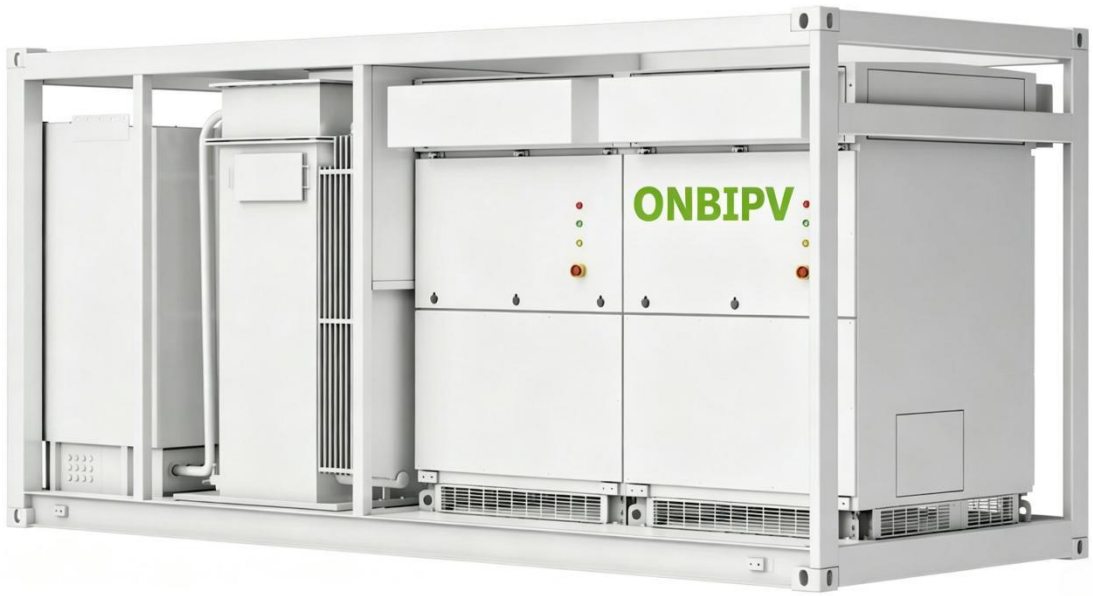
ONBIPV

B-S-5500



MV PCS STATION

ADVANTAGES

- **Pre-integrated MV Skid:** 33kV transformer & switchgear factory-pre-assembled for fast site deployment.
- **Hybrid Architecture:** Combine central & string benefits; independent control for up to 4 battery systems.
- **Outdoor Plug-and-Play:** Skid-mounted, no extra building required, easy transport & commissioning.
- **High System Efficiency:** 99% transformer efficiency, low THDi for less energy loss.
- **Easy O&M & Wide Ambient Range:** Modular service-friendly design, -20°C ~ +55°C operating capability.

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Product Type	B-S-5500

01 DC Parameters

Number of DC input channels	Max. 4
DC voltage operating range	1000~1500V

02 AC Parameters

Total rated power	5500kW
Rated voltage	690Vac
Isolation mode	Transformer isolation

03 On-Grid Mode

Rated grid voltage	6~33kV
Rated grid frequency	50Hz / 45 - 55 Hz
THDi	<3%
Power factor	0.99 / -1~1

04 Transformer Parameters

Rated capacity	5500kVA
Transformer type	Oil-immersed transformer
LV/MV voltage	0.69 / (6~33)kV
Vector group	Dy11y11
Cooling type	KNAN

05 System Parameters

Dimensions (W*H*D)	1000*2680*2200mm
Weight	<20t
Operating temperature	-20~+55℃ (De-rating > 45℃)
Protection degree	IP55 (PCS), IP54 (Switch gear), IP54 (Transformer)
BMS communication	RS485/CAN
EMS communication	Ethernet Interface
Communication protocol	Modbus TCP / IEC 61850 / IEC 104 / Modbus RTU / CAN 2.0

06 Complied Standards

RoHS·IEC 62477-1·IEC 61000-6-2·IEC 61683·VDE 4120·EN 50549

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